CITY OF MANCHESTER
INCORPORATED JUNE 18TH 1846

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1911

SIXTY-SIXTH ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

CITY OF MANCHESTER

NEW HAMPSHIRE

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FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1911

TOGETHER WITH

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MANCHESTER, N. H.
PRINTED BY THE JOHN B. CLARKE COMPANY.
1912.

MANCHESTER CITY GOVERNMENT, 1911.

Mayor.

EDWARD C. SMITH.....Office, City Hall

Chosen at biennial election in November, 1910. Salary, $3,000 per annum, payable monthly. (Act of June, 1848, section 1. Chapter 223, Laws of 1883. Chapter 203, Laws of 1907. Public Statutes, chapter 47.)

Mayor's Clerk and Stenographer.—John J. McAllister, Jr., 161 Pine street.

Aldermen.

Ward 1.	Charles W. Richards, 47 Market street.
Ward 2.	Albert L. Clough, 181 Walnut street.
Ward 3.	Victor W. Roy, 18 Malvern street.
Ward 4.	William H. Morgan, 400 Merrimack street.
Ward 5.	Richard J. Barry, 232 Lake avenue.
Ward 6.	Maurice Watson, 193 Massabesic street.
Ward 7.	Herbert A. Salls, 4 Pleasant street.
Ward 8.	Gustav F. Wenzel,* 154 Second street. Arthur W. Dinsmore, 48 Dover street.
Ward 9.	Stephen T. Martell, 292 Bartlett street.
Ward 10.	Peter J. Charron, 615 Harvard street.

Salary $3 per meeting, amount not to exceed $200 annually.

Board of Common Council, 1911 and 1912.

Ernest A. Bournival, President, 286 Pearl street.

Ward 1.

Denis G. Cronin, 65 Hollis street (rear).
Charles W. Bailey, 56 Water street.
William A. Burlingame, 30 Stark street.

* Wenzel seated as alderman by the board ; resigned his seat November 7, 1911, on account of the decision of Supreme Court, and Arthur W. Dinsmore seated in his place.

WARD 2.

Andrew S. Fantom, 676 Maple street.
Alfred K. Hobbs, 29 Appleton street.
Frank B. Stevens, 144 Blodget street.

WARD 3.

Gustave A. Bergquist, 13 Jane street.
Ernest A. Bournival, 286 Pearl street.
Charles F. McDonald, 24 Nashua street.

WARD 4.

Edward P. Morrill, 296 Laurel street.
John L. Wade, 103 Hubbard street.
Ernest A. Merrill, 524 Merrimack street.

WARD 5.

George D. Burns, 192 Green street.
John F. Kane, 246 Grove street.
Michael J. McNulty, 179 Green street.

WARD 6.

Fred H. Bates, 233 Mammoth road.
Louis A. Chatel, 390 Cedar street.
Charles S. Currier, 346 Lake avenue.

WARD 7.

Ralph S. Nelson, 32 Market street.
Frank R. Vose, 35 West Merrimack street.
James M. Yuill, 84 West Merrimack street.

WARD 8.

John F. Donnelly, 36 Prince street.
Clarence D. McKean, 50 Main street.
Fred Lange, 23 Boynton street.

WARD 9.

Frank C. Provost, 564 Cartier street.
Francois X. Gagne, 291 Bartlett street.
Charles A. Picard, 424 Bartlett street.
Euclide F. Geoffrion,* 431 Main street.

WARD 10.

Eugene C. Legare, 99 Beech street.
Thomas F. Riordan, 127 Cypress street.
Edward F. Tate, 77 South Elm street.

* Geoffrion sworn in as councilman, unseated by the board, and Picard seated in his place.

Clerk of the Common Council.

Harry W. Spaulding, 384 East High street.

Salary, $100. (General Laws, chapter 46, sections 7-9. City Laws and Ordinances, page 33, chapter 6, section 11.)

City Clerk.

Arthur W. Phinney.....Office, City Hall

Salary, $2,000. (Laws, 1899, chapter 6.) Chosen in January, biennially, by board of aldermen. Residence, 370 Hanover street. Also clerk of all committees of the board of aldermen.

City Clerk's Clerks.

Eva G. Jones.....City Clerk's Office, City Hall
Malvina B. Levesque.....City Clerk's Office, City Hall

City Auditor.

James E. Dodge.....Office, City Hall

Salary, $2,000. Appointed by mayor and approved by board of aldermen in January, biennially. (Laws of 1889, chapter 287. City Ordinances, pages 44, 71, 83-88, 173.) Residence, River road north.

Auditor's Clerk.

Lizzie M. Cogswell.....Auditor's Office, City Hall

City Treasurer.

Fred L. Allen.....Office, City Hall

Salary, $2,000. Elected by board of aldermen in January, biennially. (Act of January, 1897, chapter 198.) Residence, 33 Walnut street.

Treasurer's Clerk.

Mabel L. How.....Treasurer's Office, City Hall

Collector of Taxes.

George E. Morrill.....Office, City Hall

Salary, $2,000. Elected by mayor and aldermen before May 1, biennially. (Act of July, 1851. Act of June, 1859, section 6. Act of 1897, chapter 198. Public Statutes, chapter 43. City Laws and Ordinances, chapter 33.) Residence, 740 Chestnut street.

Deputy Collectors of Taxes.

Edwin C. Paul.....Collector's Office, City Hall
Abraham S. Rich.....Collector's Office, City Hall
Denis Vigneault.....Collector's Office, City Hall

Salary, $1,000. Appointed by tax collector with approval of mayor and aldermen. (City Laws and Ordinances, chapter 33, section 3.)

City Solicitor.

John T. Nixon*.....Office, Patten's Block
Oscar F. Moreau.....Office, Kennard

Salary, $1,200. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198.) Residence of Moreau, 450 Notre Dame Ave.

City Messenger.

James R. Ferson.....Office, City Hall

Salary, $1,000. Elected by board of aldermen in January, biennially. (City Laws and Ordinances, chapters 4, 6.)

Board of Aldermen.

STANDING COMMITTEES.

On Accounts.—Charron, Richards, Martel.
On Bills on Second Reading.—Barry, Roy, Morgan.
On City Farm.—Barry, Wenzel, Dinsmore, Roy.
On Claims.—Watson, Clough, Salls.
On Cemeteries.—Clough, Watson, Morgan, Richards, Wenzel, Dinsmore.
On Enrollment.—Martel, Richards, Roy.
On Finance.—Mayor, Morgan, Martel.

* Died September 8, 1911, and Moreau elected to vacancy.

On Fire Department.—Morgan, Barry, Clough.
On Lands and Buildings.—Roy, Charron, Wenzel, Salls.
On Licenses.—Salls, Watson, Richards.
On Lighting Streets.—Salls, Barry, Clough.
On Military Affairs.—Clough, Charron, Salls.
On Public Health.—Watson, Morgan, Barry.
On Setting Trees.—Richards, Watson, Roy.
On Sewers and Drains.—Wenzel, Dinsmore, Charron, Martel.
On Streets.—Richards, Salls, Wenzel, Dinsmore.

Board of Common Council.

STANDING COMMITTEES.

No. 1. On Central Department, Auditor's, Engineer's and Department of Taxes.—Messrs. Nelson, Bergquist, Merrill, Burns, Provost.

No. 2. On Street and Sewer Department.—Messrs. Currier, McDonald, Legare, Cronin, Stevens.

No. 3. On School Department.—Messrs Hobbs, Burlingame, Riordan, McKean, Bournival.

No. 4. On Fire Department and Hydrant Service.—Messrs. Bergquist, Vose, Gagne, McNulty, Bates.

No. 5. On Public Buildings and Public Places.—Messrs. Geoffrion, Picard, Bailey, Wade, Tate, Burns.

No. 6. On Health, Police Department, Public Library, Patriotic, Charitable, and Philanthropic.—Messrs. Lange, Chatel, McDonald, Cronin, Yuill.

No. 7. On Lighting Streets.—Messrs. Morrill, Fantom, Donnelly, Kane, Burlingame.

Committee on Finance.

President of the Common Council, chairman, *ex officio*, and Councilmen Nelson, Currier, Hobbs, Bergquist, Geoffrion, Picard, Lange, Morrill.

Committee on Enrollment.

Councilmen Chatel, Tate, Wade.

City Physician.

John C. O'Connor, M. D.....Residence, 324 Amherst St.
Office, 12 Cilley Building

Salary, $1,200. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198. City Ordinances, chapter 9, sections 29, 30.)

Engineer.

Samuel J. Lord.....Office, City Hall

Salary, $3,000. Chosen by board of public works, April, 1911, term six years. (Chapter 359, Laws of 1911.)

ENGINEER'S ASSISTANTS.

Harrie M. Young.
George M. Wales.
Felix A. Lepage.
Henry A. Worthen.
Alfred T. Dodge.
Lawrence O'Connor.

Water Commissioners.

(Chapter 70, Laws of 1871. City Ordinances, chapter 36, and Laws of 1891, chapter 26, page 319, act approved March 31, 1891. Chapter 183, Laws of 1893.) One commissioner elected annually by mayor and aldermen, in the month of September, for a term of six years. Office at court house, corner Franklin and West Merrimack streets. Telephone at office and at pumping station.

The Mayor, *ex officio.*
Charles H. Manning, chairman. Term expires January, 1913.
William Corey. Term expires January, 1917.
Edgar J. Knowlton. Term expires January, 1916.
Charles M. Floyd. Term expires January, 1914.
Perry H. Dow. Term expires January, 1915.
Robert E. McKean. Term expires January, 1912.

Superintendent of Water-Works.

Charles K. Walker.....Office, Court House, Franklin street

Salary, $2,400. Chosen by water commissioners annually. Residence, 68 South Main street, West Manchester.

Clerk of Water-Works.

Arthur E. Stearns.....Office, Court House, Franklin street

Salary, $1,800. Chosen by water commissioners annually.

Engineer at Old Pumping Station.

Jerome J. Lovering. Salary, $700, rent, fuel, and use of land.

Engineer at New Pumping Station.

C. A. Whitney, $2.50 per day, rent, and fuel.

Justice of the Police Court.

Harry E. Loveren, court room at police station, corner Manchester and Chestnut streets.

Salary, $1,500. Appointed by the governor with the advice of the council. (General Laws, chapter 215; chapter 163, sections 17, 18, 19, of the Laws of 1878, as amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

Associate Justice of the Police Court.

Frank C. Livingston. Salary, $300 per annum.

Appointed by the governor with the advice of the council. (Chapter 215, General Laws, section 2-14. Public Statutes, chapter 211. Chapter 296, Laws of 1893.)

Clerk of the Police Court.

John C. Bickford. Salary, $600.

Appointed by the justice of the police court. (Chapter 163, sections 17-19, General Laws, amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

Police.

The members of the police are appointed by the police commissioners, and hold their commissions during good behavior. They are, by virtue of their appointment, constables and conservators of the peace, and their jurisdiction extends throughout the city. (Chapter 253, section 5, General Laws; chapter 303, Laws of 1887; chapter 202, Laws of 1893.) Police station at the corner of Chestnut and Manchester streets.

Police Commissioners.

See chapter 202, Laws of 1893.

Thomas R. Varick, clerk. Term expires January, 1916.
Peter A. Farrell. Term expires January, 1914.
Edward B. Woodbury, chairman. Term expires January, 1912.

Chief of Police.

Michael J. Healy.....Office at Police Station

Salary, $3,000. Residence, 304 Central street. Telephone at house and office.

Deputy Chief of Police.

John F. Cassidy.....Office at Police Station

Salary, $1,800. Residence, 569 Hanover street.

Captain of the Watch.

Thomas E. Steele. Salary, $3.50 per day. Residence, 253 Walnut street.

Sergeants.

Peter Callaghan. Salary, $3.25 per day. Residence, 1017 Hayward street.

John T. O'Dowd. Salary, $3.25 per day. Residence, 222 Bridge street.

John J. Lynch. Salary, $3.25 per day. Residence, 1436 Elm street.

Inspector.

Clifton B. Hildreth. Salary, $3.25 per day. Residence, 386 Walnut street.

Electrician.

Edward H. McQuaid. Salary, $3.25 per day. Residence, 412 Cedar street.

Clerk and Stenographer.

John F. Griffin. Salary, $3.25 per day. Residence, 868 Union street.

Patrolmen.

Adler, Leonard J.
Badger, John C.
Bean, Randall W.
Benoit, Aurel N.
Berwin, J. Henry
Brown, John G.
Brown, Thomas F.
Conlon, Arthur J.
Connor, John J.
Coolidge, Edgar L.
Corbett, Michael H.
Dunn, James F.
Dustin, Frank J.
Dwyer, R. Emmet
Filmore, William L.
Foye, William F.
Gauvin, Napoleon J.
Gleason, Edward W.
Graf, Oscar J.
Hackett, James
Hampston, James J.
Hayden, James J.
Healy, John D.
Jennings, Peter J.
Kenney, George H.
Lovejoy, George A.
Manning, Thomas E.
Marden, Frank W.
McGrath, Matthew F.
Moher, William M.
Moore, Frank P.
Moriarty, Mortimer J.
Moran, John F.
O'Leary, John D.
O'Malley, John F.
Pennett, John E.
Pitman, J. Foster
Potts, John
Riorden, George P.
Robitaille, Albert C.
Rourke, Martin W.
Russell, Albert
Scannell, Frederick S.
Scannell, Walter B.
Shea, Jeffrey
Sheehy, Patrick
Smith, John F.
Smith, Roswell J.
Somers, Elmer E.
Stewart, William J.
Sullivan, Florrence
Sweeney, James
Tibbetts, Frank E.
Welch, John T.
Whalen, Michael J.
Wood, Charles L.

Salary, $3.00 per day for regulars; $2.75 and $2.50 per day for special.

Janitor of Station.

Frank P. Wiggin. Salary, $2.00 per day. Residence, 435 Cedar street.

Matron.

Miss A. B. Brown. Salary, $425 per annum. Residence, 228 Merrimack street.

School Committee.

Chosen at the biennial election in November, 1910; mayor and president of the common council members, *ex officio*. The board of school

committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the purchase of free text-books and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is $25 each per year.

Edward C. Smith, mayor, *ex officio* chairman.
Ernest A. Bournival, president of Common Council, *ex officio*.
Ward 1. Ernest W. Wiesner, 19 Market street.
Ward 2. Allan M. Wilson, 293 Myrtle street.
Ward 3. Frank L. Downs, 108 Ash street.
Ward 4. William A. Phinney, 450 Manchester street.
Ward 5. John F. Lee, 224 Central street.
Ward 6. Harry L. Davis, 552 East Spruce street.
Ward 7. Edward B. Woodbury, 1 Pleasant street.
Ward 8. Frank A. Cadwell, 142 Douglas street.
Ward 9. Nazaire E. Biron, 544 Main street.
Ward 10. Francis X. Lyons, Goffe's Falls.
Edward B. Woodbury, vice-chairman of the board.

Charles H. Martel, clerk of the board.

Superintendent of Schools.

Charles W. Bickford.....Office, City Hall

Elected by members of school board annually in month of June.

Superintendent's Clerk.

Fannie L. Sanborn.....Residence, 277 Laurel street

Salary, $600.

Truant Officer.

Curtis W. Davis.....Office, City Hall

Elected by members of school board annually in month of June.

Assistant Truant Officer.

Harry J. Woods.....Office, City Hall

Elected the same as truant officer.

Assessors.

(Chapter 314, Laws of 1903.) Establishing a board of three assessors. Board elected by the common council in December, 1904, one member for two years, one member for four years, and one member for six years, from January 1, 1905. Thereafter biennially in the month of January, beginning in 1907, the common council shall elect one member for six years. Salary, $1,500.

Joseph H. Geisel. Term expires January, 1917.
Joseph O. Tremblay. Term expires January, 1915.
William P. Farmer. Term expires January, 1913.
Joseph O. Tremblay, chairman.

CLERKS OF ASSESSORS.

Arthur W. Rowell.....Office, City Hall
Harry J. Briggs.....Office, City Hall

Inspectors of Checklists.

One in each ward chosen at the biennial election in November. Compensation, $3.00 per day for each day actually employed. Office, City Hall. (Laws of 1878, chapter 163, sections 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, and City Ordinances, chapter 14, section 9.)

Ward 1. Karl A. Klaubert, 37 Water street.
Ward 2. Charles B. Tucker, 748 Pine street.
Ward 3. Arthur W. Rowell, 5 Nashua street.
Ward 4. Frank P. Collins, 418 Laurel street.
Ward 5. Daniel McCarthy, 29 Cedar street.
Ward 6. Patrick F. Vaughan, 35 Hospital avenue.
Ward 7. Lyman H. Burbank, 12 Middle street.
Ward 8. Daniel A. McDonnell, 5 Parker avenue.
Ward 9. Horace Martel, 383 Bartlett street.
Ward 10. Majorique J. Florand, 239 Clay street.
Charles B. Tucker, chairman.
Arthur W. Rowell, clerk.

Overseer of the Poor.

Chosen at biennial election in November. Compensation, $1,200 per annum and an allowance of $150 for traveling expenses. (Laws of 1909, chapter 291.)

Joseph L. Boudreau.....Office, City Hall
Residence, 131 Orange street

Overseer's Clerk.

Juliette E. Melancon. Salary, $600 per annum.

Board of Health.

(City Ordinances, chapter 14, section 10, as amended. Laws of 1885, chapter 165; Laws of 1887, chapter 227; Public Statutes, chapters 108, 109, 110.) One member appointed by the mayor in January of each year, to hold office for term of three years. Salary, $200 each per annum. Office, Court House, West Merrimack, corner of Franklin street.

William K. Robbins. Term expires first Monday in February, 1913.

William J. Starr. Term expires first Monday in February, 1911.

John B. Cavanaugh. Term expires first Monday in February, 1914.

Gustave Lafontaine. Term expires first Monday in February, 1912.

William B. Blake, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

John F. Looney, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Joseph X. Duval, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Carl O. Seaman, plumbing and milk inspector. Office, Court House, Merrimack, corner Franklin street.

M. Alma Fracker, office clerk.

William J. Starr, president.

Gustave Lafontaine, president.

William K. Robbins, clerk.

Fire Department.

The chief engineer and four assistant engineers are chosen biennially in the month of January, by a majority of the city councils in convention. The salary of the chief engineer is $2,000 per annum; the assistant engineers, each $275 per annum. They exercise the powers and perform the duties of firewards. The said engineers constitute the board of engineers, and elect a clerk whose compensation is $75 a year. The annual compensation of the members of the several hook-and-ladder, hose, steam fire engine and chemical companies is as follows: Permanent captains, each $1,000 per annum; permanent engineers, each $975; other permanent men of companies, $900; lieutenants, each $185; clerks, each $185; call engineers, each $200; all other members, each $175; payable in semiannual payments, on the first of January and July. (Laws of 1870, chapter 99. General Laws, chapter 106. City Ordinances, chapters 6 and 11.) Members and officers of each company are appointed by the board of engineers.

Chief Engineer.

Thomas W. Lane.....Office, Central Station, Vine street

Residence, 1937 Elm street. Telephone at house and office.

ASSISTANT ENGINEERS.

Arthur Provost.
Thomas F. Fitzsimmons.
Edwin W. Merrill.
George H. Hammond.*
John F. Seaward.
Edwin W. Merrill, Clerk.

Trustees of City Library.

(Law of 1854, chapter 1588. See contract with Manchester Atheneum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor, and president of common council, *ex officio.*

Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1916.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1914.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1913.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1912.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1918.

William P. Farmer, Candia Road. Term expires October 1, 1917.

Edwin F. Jones, 15 High street. Term expires October 1, 1915.

Edward C. Smith, *ex officio.*

Ernest A. Bournival, *ex officio.*

Edwin F. Jones, clerk.

City Library.

Franklin street, corner of Dean avenue. Open from 10 A. M. to 8 P. M. Saturdays to 9 P. M. Sundays, 11 A. M. to 5 P. M.

Librarian.

F. Mabel Winchell, 593 Union street. Salary, $1,000 annually. Elected by the trustees of library.

* George H. Hammond elected superintendent of Public Buildings and resigned as assistant engineer, and John F. Seaward was elected assistant engineer.

Board of Public Works.

The board of public works is composed of three citizens of the city of Manchester. The mayor shall, by virtue of his office, be a member of and chairman of the board. Not more than two members can be of the same political party. In April, 1912, the board of aldermen shall elect a member of the board for the term of six years, and a member thereafter in the month of April in every sixth year. The member of the board of street and park commission whose term expires April, 1912, is made a member of the board until that date. In April, 1914, the board of aldermen shall elect a member of the board for the term of six years, and a member thereafter in the month of April in every sixth year. The member of the board of street and park commission whose term expires April, 1914, is made a member of the board until that date. The board shall elect a civil engineer and fix his compensation, as agent of said board, for a term of six years from the first Tuesday of April, 1911. Said board has full charge, management, and control of the building, constructing, repairing and maintaining of all the streets, highways, lanes, sidewalks, bridges, public sewers and drains, and public parks and commons. (See Laws of 1911, chapter 359.) Office, City Hall building. Open from 8 to 12 A. M., 2 to 5 P. M. Regular meeting of the board at 2 o'clock P. M. on the third Tuesday of each month. Salary of each member, except the chairman, $750 per year, payable monthly.

Edward C. Smith, *ex officio* chairman.
William McElroy. Term expires April, 1912.
Byron Worthen. Term expires April, 1914.
Samuel J. Lord, civil engineer and agent. Salary, $3,000 per year.

City Weigher.

Gilbert Lyons. Office, city scales, Franklin street.

Elected biennially in board of aldermen. Salary, $600 per annum; all fees for weighing returned monthly to city treasurer with sworn statement.

Sealer of Weights and Measures.

John E. Piller, 81 Parker street.

Elected biennially in January by board of aldermen. Paid by fees. (Section 25, chapter 43, and chapter 125, Public Statutes.)

Trustees of Cemeteries.

(City Ordinances, chapter 39, sections 1, 2, 3, 4.) Two trustees elected by board of aldermen in January, annually, for the term of four years. Subtrustees appointed by board of trustees.

J. Adam Graf, 10 Middle street. Term expires 1913.
William H. Maxwell, 476 Front street. Term expires 1915.
Fred O. Parnell, 327 Orange street. Term expires 1914.
Charles F. Read, 48 Water street. Term expires 1914.
Frank C. Livingston, 321 Orange street. Term expires 1913.
Charles E. Stearns, 329 Front street. Term expires 1915.
Edwin F. Jones, 15 High street. Term expires 1912.
Harrie M. Young, 33 Dutton street. Term expires 1912.
Fred L. Allen, clerk and treasurer, 33 Walnut street.

Subtrustees of Cemeteries.

VALLEY CEMETERY.

Alderman William H. Morgan, chairman; Aldermen Wenzel, Dinsmore; Messrs. Frank C. Livingston, Charles F. Read, and Fred O. Parnell. Clerk, Frank C. Livingston.

PINE GROVE CEMETERY.

Alderman Albert L. Clough, chairman; Alderman Watson, Messrs. J. Adam Graf, Harrie M. Young, and Edwin F. Jones. Clerk, Edwin F. Jones.

AMOSKEAG CEMETERY.

Alderman Charles W. Richards, chairman; Messrs. Charles E. Stearns and William H. Maxwell. Clerk, William H. Maxwell.

SUPERINTENDENT OF PINE GROVE CEMETERY.

John Erskine. Office and residence at the cemetery.

SUPERINTENDENT OF VALLEY CEMETERY.

Eugene C. Smith. Office at the cemetery; residence, 272 Mast street.

SUPERINTENDENT OF AMOSKEAG CEMETERY.

George C. Harwood. Residence, Amoskeag.

TRUSTEES OF CEMETERY FUND.

Norwin S. Bean. Term expires January, 1920.
Charles H. Anderson. Term expires January, 1915.
Edward C. Smith, *ex officio*.
Fred L. Allen, treasurer.

Inspector of Buildings.*

S. Andrew Sprague.....Office, City Hall

Residence, 525 Lake avenue. Appointed by board of mayor and aldermen, biennially, in February. Salary, $1,350 per annum. (City Ordinances, chapter 15. Laws of 1883, chapter 94.)

Inspector's Clerk.

Park J. Stewart.....Inspector's Office, City Hall

Superintendent of Public Buildings and Inspector of Buildings.

Created by chapter 284 of the Session Laws of 1911. Elected in the month of April by board of aldermen for a term of four years. Salary, $2,000, and $20 for traveling expenses.

George H. Hammond.....Office, City Hall
Residence, 278 Merrimack street

Inspector's Clerk.

Park J. Stewart.....Inspector's Office, City Hall

Inspector's Assistant.

Harry S. Foster.....Inspector's Office, City Hall

Inspectors of Oil.

Harvey B. Sawyer, 149 Bowman street.
Martin Moll, 45 Barr street.

(Public Statutes, chapter 129, sections 25-34. City Ordinances, chapter 25.) Paid by fees, ¼ of one percent per gallon.

Board of Examiners of Plumbers.

William K. Robbins, president. Term expires November 1, 1915.
Samuel J. Lord, clerk, *ex officio.*
Christian L. Wolf. Term expires November 1, 1911.
Appointed by mayor.

* Abolished April 1, 1911, by Chapter 284, Session Laws of 1911.

Sinking Fund Commissioners.

William McElroy, chairman.
Fred L. Allen, clerk and treasurer.
Charles H. Manning.

Moderators.

Elected biennially. (General Laws, chapter 31, sections 3, 9; chapter 36, section 9; chapter 44, section 7. City Ordinances, page 18. See Public Statutes relating to towns and cities.)

Salary, $15.00, payable at expiration of term.
Chosen at biennial election in November.

Ward 1. Donald McIntyre.
Ward 2. William B. Burpee.
Ward 3. George E. Prime.
Ward 4. Henry B. Fairbanks.
Ward 5. Martin E. Sullivan.
Ward 6. Almus W. Morse.
Ward 7. Herbert E. Richardson.
Ward 8. Robert E. McKean.
Ward 9. Charles C. Caron.
Ward 10. John A. Kane.

Ward Clerks.

Elected biennially. (General Laws, chapter 44, sections 10, 12. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, $20.00, payable at expiration of term.

Ward 1. Frank X. Foster.
Ward 2. Frederick S. Nutting.
Ward 3. Fred L. Richardson.
Ward 4. Henry A. Worthen.
Ward 5. William Lane.
Ward 6. Charles H. Martel.
Ward 7. Charles E. Bartlett.
Ward 8. Frank H. Cadwell.
Ward 9. Ludger D. Dancose.
Ward 10. Almon A. Oviatt.

Selectmen.

Elected biennially. (General Laws, chapter 1, section 27; chapter 12, section 6; chapter 40, sections 2, 3; chapter 109, section 27; chapter 213, section 1. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, $15.00, payable at expiration of term.

WARD 1.

Dana A. Emery. Timothy L. Shine.
Thomas J. Nutt.

WARD 2.

Samuel W. Shephard. James R. Mason.
Frank J. Abbott.

WARD 3.

Eugene Caron. Claus E. Lagerquist.
William A. Ward.

WARD 4.

Arthur P. Mitchell. Adolphe N. Paul.
Frederick N. Walker.

WARD 5.

John F. Kelley. James P. Mahoney.
Patrick J. Ryan.

WARD 6.

Alvin G. Bean. William Howe.
William S. Gregoire.

WARD 7.

John J. Carroll. Webster Connell.
John F. Frost.

WARD 8.

Frederick W. Hoffman. Robert Lange.
David T. Trahan.

WARD 9.

Arthur O. Beaudin. Edmond L. Ledoux.
Adelard Lambert.

WARD 10.

John McCarty. Mark B. Flanders.
Frederick Poulin.

INAUGURAL ADDRESS.

INAUGURAL ADDRESS OF HON. EDWARD C. SMITH, 1911, 1912.

Gentlemen of the City Councils of the City of Manchester:

Inaugural addresses are usually made upon such information as can be obtained through the several departments of the city government which are open to the inspection of every citizen.

I believe, with many of my predecessors, that these addresses should be done away with and a valedictory required of the retiring mayor.

Surely such an address would be of more value in aiding you, gentlemen, in making appropriations and expenditures with a view to the future of the city of Manchester as well as to the needs of the present. If I were assuming the high office of mayor without any previous experience in the government of the city, I would refrain from making any address at this time, but having been closely associated with the affairs of the city for the past fourteen years, I feel that I have gained certain knowledge which will aid me in the discharge of my duties, and which may assist you in the discharge of yours.

I believe that matters of sufficient importance should be made the subject of special communications to the several boards, in order that the fullest information upon the matter under consideration may be had. I desire, however, to call your attention to the condition of the several departments of the city, together with certain conditions which should be remedied in order to meet the demands of our thriving and expanding city and to guard its interests.

FINANCIAL.

Water debt	$600,000.00
Cemetery bonds (care of lots)	50,000.00
Cemetery bonds (purchase of land)	21,000.00
City bonds	985,000.00
Total bonded debt	$1,656,000.00
Cash in sinking fund	695,669.17
Net debt	$960,330.83

There are $65,000 of city bonds becoming due during the year 1911, for which no provision has been made for payment, viz.:

City bonds due April 1, 1911	$5,000.00
McGregor bridge bonds due July 1, 1911	60,000.00

In place of the present system of providing for payment of loans and bonds issued by means of a sinking fund I would urgently suggest that whenever the city is compelled to borrow money it should be done by a serial bonds issue to be paid by annual installments, such payments and interest to be included in the annual appropriation raised by taxation. The change would reduce the interest payment, furnish a prudent and economical means for liquidating this species of indebtedness, and obviate much of the confusion invariably resulting from the sinking fund method. It seems to me unbusiness-like to place in the custody of the sinking fund commissioners so large a sum of money as $695,669.17.

WATER WORKS DEPARTMENT.

Within the past few years much criticism has been directed against the board of water commissioners relative to large expenditures of money for land bought bordering on the shores of Lake Massabesic, and the expensive extension of its service in certain territory not within the city limits. While the board should have the support of our citizens in all of its efforts to preserve and protect the purity of our water supply, the best business methods should be employed in the management of this important department, and the same care and prudence should be exercised on the part of the commissioners that a private corporation would exhibit in the conduct of its affairs.

Another feature which has given rise to much adverse comment is the annual charge of twenty-five dollars ($25.00) for every hydrant in the city, which money is held by the board of sinking fund commissioners for the liquidation of the high-service system bonds under the regulation of the city councils and the water board. Thus the taxpayer is charged for the water he uses and also is compelled to pay his proportionate part of the hydrant tax, which bears some aspects of a double tax. Legislation should be passed which would relieve the city in part of the burdens resulting from a continuation of this system and stricter economy should be practiced by the board so that in time the city may have the benefit of lower water rates.

POLICE DEPARTMENT.

The need of a prison or a house of detention for women and juvenile offenders has been long felt and is rapidly becoming an imperative necessity. The contaminating and evil influences which are greatly increased where there is no segregation of the sexes can be measurably lessened by the erection of a separate building, where these unfortunates will not be brought into contact with hardened and habitual criminals. A suitable place for such a structure is on the lot east of the police station, of which the city is at present owner of a one-half interest. I would earnestly recommend that this matter be given your prompt and careful consideration.

SCHOOL DEPARTMENT.

There has been of late a growing tendency to disparage the standard of our school system and there is a wide variance of opinion as to the relative standing of Manchester's schools as compared with schools in other cities. This criticism embraces both the conduct of the schools and the curriculum. Every effort should be made to keep the efficiency of the teaching corps unimpaired and new methods should be adopted where, upon investigation, they seem superior to those now in vogue. Manchester should be kept abreast of the times in this highly important necessity.

The conduct of the department by a smaller board is in keeping with the spirit of the times and the result will be awaited by all citizens interested in this important department.

FIRE DEPARTMENT.

The Flying Squadron, so called, which has been recently added to our fire-fighting equipment, has already justified the wisdom of its purchase and its utility has been demonstrated frequently within the past few months. Its installation has been followed by a reduction of the insurance rates on certain property and a consequent saving to the householder.

A modern properly equipped aerial truck should replace the present cumbersome and unsatisfactory apparatus now located at the Central Fire Station. The old truck should be stored elsewhere, however, and used in cases of emergency.

It has been suggested that the fire alarm telegraph system should be removed from the Central Fire station and isolated so that it would not be crippled or destroyed by fire or possible explosion. This would entail the construction of a separate building and the matter should be thoroughly investigated and its necessity clearly shown before any expense is incurred.

HEALTH DEPARTMENT.

The importance of this department in its bearing upon the health and well-being of the community cannot be overestimated. Hostile criticism is bound to follow a radical departure from established routine, especially where it affects the personal rights of the individual. The inspection of school children for the purpose of correcting certain defects and to improve and emphasize the better observance of the laws of health is a long step in the right direction. Where it is more generally understood adverse comment, if any, will be directed against the manner in which the work is done rather than to the innovation itself.

The board should take measures to further investigate the sources of our milk supply as to purity and sanitary methods in handling

the same, and the present excellent work conducted by the department in the inspection of milk which is brought to Manchester should be continued. Adequate appropriations for these purposes should be made by the common council.

Patients taken to the isolation hospital, who are able to pay for treatment, should be compelled to do so. There is no sound reason why these bills should be foisted upon the city than any other expense incurred by the individual which belongs legitimately to him to pay.

STREET, SEWER, AND PARK DEPARTMENT.

It is an unfortunate state of affairs that this important department of our local government is not more directly answerable to the city government which makes the appropriations, under whose expenditures it can exercise but the most limited control. The law which makes the board of street and park commissioners an independent tribunal, while it may possess certain advantages, has also its defects. This board is responsible to itself alone, and only in the most general terms can the city direct how its money shall be expended for the benefit of the taxpayers. This condition leads frequently to lax business management, which the people are powerless to correct. At present the city does not receive an adequate return for the large amount of money which is annually spent under the direction of the board. During the year just closed the indiscriminate hire of labor, regardless of the preference which should be given to citizens of Manchester, led to a large pay-roll and an exhausted appropriation long before the end of December.

As a result, men who are citizens and on the regular pay-roll were thrown out of employment along with the emergency help just at the time when weather conditions were becoming severe and when they could least afford to be idle. Whenever possible, preference should be given to the men who live in the city and who depend for their livelihood upon the employment thus attained, and the pay-roll should be regulated so as to carry them through the year instead of discharging them in the midst of winter.

Letting out contracts for city work should be abolished. If the contention is true that the city has saved money in this way, though paying an extra commission above the cost of the work, it would seem to demonstrate that incompetent department heads have affairs in charge. No slave-driving policy should prevail, but for every dollar expended by the board a dollar's worth of labor or material should be returned. The unbusinesslike policy of making contracts which call for money in excess of the annual appropriation, the payment thereof being deferred, should be condemned. This is a plain evasion of the law which limits the board to the sum appropriated and forbids the making of contracts which depend for their fulfillment upon appropriations made the following year.

I would recommend the passage of legislation changing the personnel of the board and which would make the mayor, the president of the common council, and the chief engineer members of the board. In this way the commissioners would be in closer touch with the public whose money they expend. There should be an entire reorganization of the management of affairs and better business ability should be shown before the public will be satisfied with the work done in this department.

OVERSEERS OF THE POOR.

Under the recent law which substitutes one overseer of the city's poor for the ten men who looked after the indigent in their several wards makes this office become one of great importance. At present no suitable quarters are available in City Hall except those formerly occupied by the board of overseers of the poor and the adjoining committee room situated on the top floor of City Hall. The present location is very difficult of access to weak, crippled, and aged applicants for aid, and more convenient accommodations centrally located should be provided as soon as practical.

PLAYGROUNDS.

The sentiment which prompts an interest in providing suitable recreation grounds for children has met with an encouraging reception in Manchester.

In winter, whenever feasible, these playgrounds should be flooded with water so as to cover a large area and provide for the pleasure of large numbers. This can be done at comparatively small expense and will afford safe and exhilarating enjoyment for the youth of our city, who thus escape the dangers which beset those who now frequent the ponds and rivers for winter sports. Everything should be done in this direction that can be so as to make stronger and healthier men and women of the children of today.

SUNCOOK VALLEY RAILROAD.

On September 1, 1868, the city council voted to purchase five hundred shares of stock of the Suncook Valley railroad at $100 per share, with the condition that no dividends were to be paid on said stock for forty-two years from January 1, 1870, which period expires on January 1, 1912.

The question is pertinent, however, whether the city councils had the required legal authority to invest the city's money as it did, thus holding in suspense a large sum of money which earns no interest and carries no dividends. I recommend that the board of mayor and aldermen investigate this matter, and if it shall be found that said action was not sanctioned by law, such legal process be invoked as shall protect the interests of our city.

CLERK OF COMMITTEES.

There is one other feature which deserves mention at this time. The mayor's private secretary should also be required to serve as clerk of the various aldermanic committees and I would recommend that this measure be enacted into an ordinance. The rapid growth of the city, and the manifold duties which the city clerk has to perform, makes it necessary that he be released from acting as clerk of these committees and give his entire time to the faithful performance of the duties which more particularly pertain to his office.

CONCLUSION.

In conclusion, gentlemen, I would urge upon you a faithful attendance upon all meetings of your several boards and committees which have to do with the administration of city affairs, bearing in mind that the office which you hold is a personal trust reposed in you by the voters of our city. I ask and confidently expect your earnest and sincere coöperation in meeting the many perplexing questions which will arise in the coming two years, and I believe if we work in unison the result of our labors will be satisfactory to our constituents and to ourselves.

REPORT OF THE CITY AUDITOR.

REPORT OF THE CITY AUDITOR.

To the Board of Mayor and Aldermen:

GENTLEMEN:—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1911, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,
JAMES E. DODGE,
City Auditor.

REPORT OF THE CITY TREASURER FOR THE YEAR 1911

		DR.
Temporary loans in anticipation of taxes, 1911:		
Merrimack River Savings Bank	$100,000.00	
Manchester Savings Bank	100,000.00	
Old Colony Trust Company	50,000.00	
		$250,000.00
Trustees of Sinking fund:		
Temporary loan city of Manchester, note payable June 12, 1912		16,693.00
Sale of bonds:		
Hayden-Stone & Co., $85,000, 3½% school bonds, at 98.09	$83,376.50	
Frank P. Carpenter, $60,000—4% bridge refunding bonds, at 100.34	60,204.00	
Strafford National Bank, $18,000—3½% school bonds at 98.30	17,694.00	
Accrued interest 1 month, 21 days	89.25	
		161,363.75
E. C. Smith, city clerk:		
Dog licenses		145.00
A. W. Phinney, city clerk:		
Dog licenses	$2,716.05	
Sewer licenses	2,266.03	
Rent of tenements	182.96	
Show licenses	795.41	
Rent of city hall	69.00	
Junk dealers' licenses	352.13	

Lunch cart licenses	$30.00	
Job team and hacking licenses	45.00	
Employment bureau	30.00	
Rent of city farm	1,020.00	
Billiard and pool licenses	1,983.18	
Rent of Battery building	180.00	
Bowling alley licenses	16.33	
Fees, intention of marriage	726.00	
mortgages	357.94	
conditional sales	108.00	
corporations	26.25	
miscellaneous records	113.00	
writs	8.00	
assignment of wages	19.00	
partnerships	5.00	
		$11,049.28
Police department:		
M. J. Healy, fines and costs	$1,112.53	
John C. Bickford, fees	1,027.64	
		2,140.17
Pine Grove cemetery:		
J. H. Erskine, superintendent, care of lots	$9,108.16	
Fred L. Allen, treasurer, sale of lots	3,232.50	
		12,340.66
Merrill cemetery:		
J. H. Erskine, superintendent, care of lots		43.00
Valley cemetery:		
Eugene C. Smith, superintendent, care of lots	$1,956.50	
F. L. Allen, treasurer, sale of path	13.50	
		1,970.00
Amoskeag cemetery:		
George P. Harwood, superintendent		28.00
State of New Hampshire:		
Insurance tax	$4,235.63	
Railroad tax	47,696.56	
Savings bank tax	89,158.28	
Literary fund	3,946.14	
		145,036.61
New Hampshire state license commission:		
Balance licenses, 1910	$2,084.66	
Licenses, 1911	51,694.40	
		53,779.06
City scales:		
Gilbert Lyons		349.08
Water-works department:		
Charles K. Walker, superintendent		170,713.21

Board of health:		
Milk licenses	$432.00	
Board of patients at Isolation hospital	201.54	
		$633.54
Interest on bank deposits:		
First National bank	$1,498.14	
Merchants National bank	1,004.61	
George E. Morrill, collector	423.40	
		2,926.15
School department:		
Charles W. Bickford, superintendent, forfeiture, evening schools	$124.00	
Free text-books	163.11	
Tuition	1,924.74	
		2,211.85
Board of public works:		
Manchester street railway	$12,548.63	
Cavanaugh Bros	492.60	
J. F. Cavanaugh	2,972.81	
Water-works department	1,500.00	
Miscellaneous	3,913.05	
		21,427.09
Miscellaneous receipts:		
Overdrafts:		
D. L. Robinson, paupers off farm	$25.00	
Sanborn Carriage Co., care of rooms	1.25	
J. Hodge, fire department	1.36	
J. Hodge, police department	1.90	
A. Grenier, addition to Hallsville school	50.00	
Granite State Rubber Co., police commission	.80	
Manchester Tea Co., city hall	2.25	
Clough & Parker, incidental expenses	5.00	
Manchester Supply Co., fire department	3.19	
Boston & Maine R. R., repair of buildings	1.64	
Fred R. Stark, city hall	31.81	
Western Electric Apparatus Co., police commission	19.45	
Ida Scheid, paupers off farm	8.00	
Smith-Ramsey Automobile Co., incidental expenses	25.00	
McMillan & Co., incidental expenses	26.00	
	$202.65	
John T. Nixon, city solicitor, fees collected for notifying mortgagees for tax collector	25.90	

George H. Hammond, superintendent of buildings, old junk sold	$35.25	
Boston & Maine Railroad, rebate on freight bill of J. G. Jones	.25	
J. O. Tremblay, account taxes for Joseph Guilmet	20.00	
State of New Hampshire, fire protection fire bills	63.48	
S. J. Lord, plumbers' licenses	70.50	
D. S. Kimball, land on Monroe street	63.05	
		$481.08
George E. Morrill, collector of taxes:		
Taxes, 1911	$770,998.53	
Taxes, 1910	58,874.61	
Redemption of land sold for taxes	4,556.16	
Land sold for taxes	5,450.05	
Land sold for taxes, nonresident	169.33	
Cost on taxes, 1910	850.60	
Interest on taxes, 1910	1,793.11	
Cost on taxes, 1911	1,400.00	
Old taxes, 1909	179.93	
Old taxes, 1908	88.70	
Old taxes, 1907	80.48	
		844,441.50
Receipts for the year		$1,697,772.03
Cash on hand January 1, 1911		169,534.88
Unpaid bills December 30, 1911		54,502.52
		$1,921,809.43

	CR.
Total drafts for the year	$1,664,222.52
Unpaid bills January 1, 1911	43,253.24
Cash on hand December 30, 1911	214,333.67
	$1,921,809.43

Respectfully submitted,

FRED L. ALLEN,
City Treasurer.

To the City Council of the City of Manchester:

GENTLEMEN:—I have examined the accounts of Fred L. Allen, city treasurer, for the year ending December 30, 1911, and find proper vouchers for all payments and all receipts duly accounted for.

The net cash on hand January 1, 1911, was	$126,281.64
Receipts during the year	1,697,772.03
Total	$1,824,053.67

Amount of drafts during the year	$1,664,222.52
Net amount of cash on hand December 30, 1911	159,831.15
Total	$1,824,053.67

Cash taken December 30, 1911, I find to be as follows:

Deposited in Merchants National bank, Manchester, N. H.	$181,112.51
Deposited in Second National bank, Boston, Mass.	27,728.19
Deposited in office safe	5,492.97
Gross amount of cash on hand December 30, 1911	$214,333.67
Deduct amount of unpaid bills	54,502.52
Net amount of cash on hand December 30, 1911	$159,831.15

JAMES E. DODGE,
City Auditor.

STATEMENT OF THE RECEIPTS AND EXPENDITURES OF THE CITY OF MANCHESTER FOR THE YEAR 1911.

Receipts.

CENTRAL DEPARTMENT.

Received from:		
Direct city taxes	$835,841.63	
Cost and interest on taxes	4,043.71	
		$839,885.34
Licenses to enter sewer	$2,604.44	
keep dog	2,861.05	
sell milk	432.00	
keep billiard and pool tables	1,999.51	
lunch carts, etc.	457.13	
shows and exhibitions	456.80	
Fees from city clerk	1,363.19	
Rents from city clerk	431.96	
		$10,606.28

SUNDRIES.

Received from:		
City scales	$349.08	
Tuition, free text-books and fines	2,211.85	
Board of health	201.54	
Miscellaneous sources	182.03	
Fees, city solicitor	25.90	
		$2,970.40

POLICE DEPARTMENT.

Received from:		
Costs and fines		$2,140.17

PUBLIC PLACES.

Received from:		
Amoskeag cemetery	$28.00	
Merrill cemetery	43.00	
Valley cemetery	1,970.00	
Pine Grove cemetery	12,340.66	
		$14,381.66

WATER-WORKS.

Gross receipts	$170,713.21

CITY FARM.

Received for rent of city farm	$1,020.00

LIQUOR LICENSES.

Received from state liquor commissioners for licenses	$53,779.06

MISCELLANEOUS.

Received from:		
Interest	$2,926.15	
Land redeemed from tax sale	4,556.16	
Street and park commission, sale of stone, pipe, etc., and for labor	21,427.09	
Overdrafts	202.65	
Plumbers' licenses	70.50	
		$29,182.55
Total ordinary receipts during the year 1911		$1,124,678.67

DEBT.

Received from:		
Bonds sold	$161,070.50	
Interest and premium on bonds	293.25	
Temporary note	16,693.00	
		$178,056.75

TEMPORARY LOAN.

Received from loan in anticipation of tax of 1911	$250,000.00

STATE.

Received from:		
Insurance taxes	$4,235.63	
Railroad taxes	47,696.56	

Savings bank taxes	$89,158.28	
Literary fund	3,946.14	
		$145,036.61
Gross receipts		$1,697,772.03
Net cash on hand January 1, 1911		126,281.64
		$1,824,053.67

EXPENDITURES.

CENTRAL DEPARTMENT.

Interest on water bonds	$25,500.00	
city bonds	37,400.00	
cemetery bonds	3,235.00	
temporary loans	4,293.13	
		$70,428.13
City hall	$5,626.40	
Printing and stationery	2,421.20	
Incidental expenses	7,171.40	
Mayor's incidentals	300.00	
City officers' salaries	24,845.65	
Auditor's department	2,608.38	
Sinking fund trustees	22,050.00	
Assessors' department	9,638.07	
Building department	4,586.17	
Land sold for taxes	5,619.38	
		$84,866.65

STREET AND SEWER DEPARTMENT.

Street and park commission	$10,777.11
Snow and ice and cleaning streets	15,737.23
Repairs of highways	31,508.92
New highways	6,058.26
Street sweeping	10,915.95
Watering streets	13,138.91
Paving streets	28,146.93
Macadamizing streets	14,022.49
Grading for concrete	4,822.43
Scavenger service	28,651.18
Lighting streets	62,973.01
Bridges	8,310.55
City teams	15,851.23
Repairs of sewers	6,210.78
New sewers	28,096.07
Brown-tail and gypsy moth	5,613.33

City yard	$5,086.23	
Cutting and trimming trees	1,559.99	
Elm leaf beetle	3,203.87	
		$300,684.47

ENGINEER'S DEPARTMENT.

Engineer's department		$9,900.00

HEALTH DEPARTMENT.

Health department		$17,990.01

SCHOOL DEPARTMENT.

Repairs of schoolhouses	$9,938.93	
Fuel	11,386.12	
Furniture and supplies	1,235.21	
Books and stationery	22.84	
Printing and advertising	464.78	
Contingent expenses	4,538.46	
Care of schoolrooms	12,344.44	
Care of school clocks	283.00	
Evening schools	1,960.62	
Evening school, mechanical drawing	282.25	
Teachers' salaries	122,331.91	
Free text-books	7,987.59	
Manual training	586.76	
Enumeration of school children	911.59	
Benches for manual training school	350.00	
Repairs to heating plants and plumbing	3,448.17	
Electric lights in schools	240.33	
		$178,313.00

CITY LIBRARY.

City library		$8,999.68

FIRE DEPARTMENT.

Fire department	$107,451.27	
Fire-alarm telegraph	5,322.15	
Hydrant service	22,450.00	
		$135,223.42

POLICE DEPARTMENT.

Police station	$2,560.30	
Police court	2,920.59	
Police commission	66,464.01	
		$71,944.90

PUBLIC BUILDINGS.

Hose house, Goffe's Falls	$983.60	
Repairs of buildings	10,036.30	
Subway comfort	5,284.66	
New schoolhouses	63,826.37	
Fire escapes for schools	7,348.25	
Board of examiners of plumbers	44.77	
		$87,523.95

WATER-WORKS.

Water-works	$126,153.70	
Water-works sinking fund	27,450.00	
		$153,603.70

PUBLIC PLACES.

Commons	$3,985.40	
Stark park	1,010.11	
Derryfield park	981.25	
Lafayette park	909.05	
Miscellaneous playgrounds	343.53	
Ball ground, Wolf park	187.10	
Merrill cemetery	100.00	
Amoskeag cemetery	500.79	
Valley cemetery	4,981.10	
Pine Grove cemetery	20,398.00	
		$33,396.33

CHARITABLE, PATRIOTIC, AND PHILANTHROPIC.

Paupers off farm	$16,727.68
Indigent soldiers	356.35
Women's Aid Home	300.00
Elliot hospital	300.00
Notre Dame de Lourdes hospital	300.00
Sacred heart hospital	300.00
W. C. T. U. Mercy Home	300.00
Infant asylum	300.00
St. Joseph's orphanage	300.00
Hospice St. Vincent de Paul	300.00
Orphanut St. Pierre	300.00
Decoration of soldiers' graves	499.95
Militia	1,050.00
Band concerts	400.00
Animal Rescue League	300.00
Boys' club	300.00
St. John's Home	300.00
Young Men's Christian Association	300.00
St. Patrick's Girls' Home	300.00

West Side reading room	$100.00	
District Nursing Association	300.00	
Settlement Association	300.00	
Printing the proceedings of the centennial of the name of Manchester	150.00	
		$24,083.98
Total of ordinary municipal expenditures		$1,176,958.22

TEMPORARY LOAN.

Temporary loan		$250,000.00

BONDED DEBT.

School bonds	$10,000.00	
City bonds	65,000.00	
		$75,000.00

STATE AND COUNTY TAXES.

State tax	$109,340.00	
County tax	52,924.30	
		$162,264.30
Grand total of expenditures during the year		$1,664,222.52
Cash on hand December 31, 1911	$214,333.67	
Less unpaid bills	54,502.52	
		159,831.15
		$1,824,053.67

Interest.

Appropriation	$45,500.00	
Transferred from water-works account	25,500.00	
		$71,000.00

EXPENDITURES.

Coupons on bridge bonds	$2,400.00	
cemetery bonds	3,235.00	
city bonds	100.00	
city funding bonds	1,400.00	
city loan bonds	2,100.00	
improvement bonds	19,500.00	
municipal bonds	2,800.00	
refunding bonds	5,500.00	
school bonds	3,600.00	
water bonds	25,500.00	
		$66,135.00

First National Bank, discount on notes.....	$794.78	
Manchester National Bank, discount on notes	439.93	
Manchester Savings Bank, discount on notes	1,655.19	
Merrimack River Savings Bank, discount on notes	1,215.27	
Old Colony Trust Company, discount on notes	187.96	
		$4,293.13
Total expenditures.....		$70,428.13
Transferred to unappropriated money.....		571.87
		$71,000.00

Payment of Funded Debt.

Appropriation	$15,000.00	
Received from sale of bonds.....	60,000.00	
		$75,000.00

EXPENDITURES.

City bonds.....	$5,000.00	
Bridge bonds.....	60,000.00	
School bonds.....	10,000.00	
		$75,000.00

Sinking Fund.

Appropriation	$22,050.00

EXPENDITURES.

Trustees of sinking fund.....	$22,050.00

Unappropriated Money.

RECEIPTS.

Transferred from the following accounts:	
Interest	$571.87
Printing and stationery.....	278.80
City officers' salaries.....	2,154.35
Assessors' department.....	11.93
Building department.....	23.08
Repairs of highways.....	.92

Macadamizing streets	$177.51	
Street sweeping	12.82	
Scavenger service	1,348.82	
Bridges	1.92	
New sewers	773.87	
City yard	913.77	
Brown-tail and gypsy moth	577.08	
Commons	514.60	
Stark park	26.45	
Lafayette park	90.95	
Derryfield park	18.75	
Miscellaneous playgrounds	656.47	
Ball ground, Wolf park	12.90	
Lighting streets	1,526.99	
Health department	2,009.99	
City library	.32	
Fire department	3,573.73	
Fire-alarm telegraph	1,277.85	
Police commission	2,195.99	
Police station	439.70	
Police court	279.41	
Repairs of buildings	13.70	
Hose house, Goffe's Falls	16.40	
City library addition	5,000.00	
Valley cemetery	18.90	
Repairs of schoolhouses	61.07	
Printing and advertising	35.22	
Books and stationery	27.16	
Fuel	613.88	
Furniture and supplies	314.79	
Care of rooms	55.56	
Free text-books	12.41	
Manual training	13.24	
Evening school, mechanical drawing	17.75	
Evening schools	1,039.38	
Teachers' salaries	368.09	
Enumeration of school children	238.41	
Fire escapes for schools	2,451.75	
Repairs to heating plants and plumbing	551.83	
Electric lights in schools	9.67	
Care of school clocks	17.00	
Paupers off farm	1,172.32	
Indigent soldiers	143.65	
Decoration of soldiers' graves	.05	
Board of examiners of plumbers	5.23	
		$31,668.30

EXPENDITURES.

Transferred to the following accounts:		
City hall	$926.40	
Incidental expenses	171.40	
Auditor's department	108.38	
Street and park commission	777.11	
Snow and ice and cleaning streets	480.16	
New highways	113.26	
Watering streets	166.10	
Grading for concrete	1,777.77	
City teams	178.43	
Repairs of sewers	856.40	
Cutting and trimming trees	548.70	
Elm leaf beetle	203.87	
Amoskeag cemetery	.79	
Contingent expenses	238.46	
State tax	15,620.00	
Land sold for taxes	1,119.38	
Free cash in treasury	8,381.69	
		$31,668.30

Temporary Loan.

RECEIPTS.

First National Bank	$50,000.00	
Manchester National Bank	25,000.00	
Manchester Savings Bank	75,000.00	
Merrimack River Savings Bank	50,000.00	
Old Colony Trust Co.	50,000.00	
		$250,000.00

EXPENDITURES.

First National Bank	$50,000.00	
Manchester National Bank	25,000.00	
Manchester Savings Bank	75,000.00	
Merrimack River Savings Bank	50,000.00	
Old Colony Trust Co.	50,000.00	
		$250,000.00

City Hall.

Appropriation	$4,700.00	
Transferred from unappropriated money	926.40	
		$5,626.40

EXPENDITURES.

FUEL, WATER, LIGHTS, TELEPHONE.

C. B. Clarkson, weighing coal	$3.75	
W. E. Dunbar & Sons	13.00	
Manchester Traction, Light & Power Co., electric lights	700.54	
Moore & Preston Coal Co., coal	120.20	
New England Telephone & Telegraph Co., use of telephone	25.00	
D. M. Poore Coal Co., wood	5.10	
People's Gas Light Co., gas	215.60	
Water commissioners, use of water	560.25	
John R. Willis & Co., coal	521.64	
		$2,165.08

CLEANING OFFICES, ETC.

Daniels-Cornell Co., soap, etc.	$18.35	
Charles J. Beliveau, janitor	667.50	
L. M. Folsom, cheese cloth and crash	5.64	
W. M. Kendall Co., dust wax	6.25	
Manchester Hardware Co., pails, brooms, brushes, shovel, etc.	38.56	
Manchester Tea Co., matches and soap	10.75	
Sarah Minton, cleaning	372.00	
Office Toilet Supply Co., toilet service	39.00	
Joseph Ricard, assistant janitor	150.00	
John Roberts, assistant janitor	430.50	
Charles Robitaille, janitor	273.18	
Somerville Brush Co., cotton dusters	2.50	
Timothy Sullivan, janitor public comfort	540.00	
John B. Varick Co., waste, matches, soap	7.52	
West Disinfecting Co., disinfectant	65.00	
		$2,626.75

FURNITURE AND SUPPLIES.

The Barton Company, awnings, etc.	$269.75
E. M. Bryant & Co., 1 shade	.35
C. DeMoulpied & Co., 1 desk	57.60
A. L. Franks & Co., 1 lamp	.80
A. L. Franks & Co., 1 ceiling fan, complete	35.00
Chas. A. Hoitt Co., table, chairs, desks, etc.	172.51
Manchester Coal & Ice Co., ice	17.09
Manchester Hardware Co., 1 flag	7.38
Manchester Traction, Light & Power Co., Tungsten lamps	32.10
People's Gas Light Co., tubing	.30

Standard Ice Co., ice, sundry offices.....	$36.30	
John B. Varick Co., flag, water coolers, etc...	43.12	
		$672.30

INCIDENTAL REPAIRS.

W. L. Aller & Co., caning chair.....	$1.50	
The Aller Co., caning chairs.....	10.00	
The Barton Co., repairing flag.....	.75	
E. M. Bryant & Co., supplies and labor.....	2.95	
Peter Harris & Son, keys and repairs.....	6.35	
Head & Dowst Co., labor.....	.88	
C. A. Hoitt Co., repairing chair and couch..	35.25	
J. G. Jones, cartage and freight.....	.80	
J. J. Moreau & Son, repairing screen.....	1.50	
Pike & Heald Co., plumbing repairs.....	2.23	
John F. Roberts, material repairing chair..	.75	
		$62.96

INSURANCE PREMIUMS.

W. G. Berry.....	$36.77	
George Blanchet.....	3.38	
Clough & Parker.....	3.38	
Dockham & Thorpe.....	11.25	
Fred R. Stark.....	44.53	
		$99.31
Total expenditures.....		$5,626.40

Printing and Stationery.

Appropriation	$2,700.00

EXPENDITURES.

TAX COLLECTOR.

John B. Clarke Co., printing bills, etc.....	$94.25	
E. H. Chadbourne, stamps and envelopes....	42.88	
J. Arthur Williams, envelopes.....	3.00	
		$140.13

CITY CLERK.

John B. Clarke Co., printing cards, blanks, letterheads	$144.25	
E. H. Chadbourne, stamped envelopes.....	21.24	

W. P. Goodman, stationery	$12.65	
Albert Ruemely, printing letterheads, envelopes, blanks	33.00	
J. Arthur Williams, letterheads	5.50	
Yawman & Erbe Mfg. Co., 20,000 cards	42.90	
		$259.54

CITY TREASURER.

John B. Clarke Co., printing circulars	$3.50	
E. H. Chadbourne, stamps, cards, envelopes	128.08	
Stewart, Warren & Co., checks	17.50	
E. A. Stratton Co., printing receipts, cards, etc.	12.00	
Temple & Farrington Co., envelopes	63.19	
		$224.27

MAYOR.

E. H. Chadbourne, stamped envelopes	$21.54	
George D. Fitts, stationery	1.50	
Ruemely Press, printing letterheads	3.50	
J. Arthur Williams, printing	11.90	
		$38.44

CITY AUDITOR.

John B. Clarke Co., printing 500 reports	$1,365.45	
John B. Clarke Co., printing labels	4.40	
George D. Fitts, two invoice books, No. 790	8.87	
Kee Lox Manufacturing Co., paper	3.00	
Temple & Farrington Co., binding reports	135.00	
J. A. Williams, printing billheads	37.75	
		$1,554.47

CITY COUNCILS AND COMMITTEES.

John B. Clarke Co., printing manuals, blanks, cards	$137.25	
Ruemely Press, printing briefs, envelopes, letterheads, etc.	60.50	
J. A. Williams, postals	6.60	
		$204.35
Total expenditures		$2,421.20
Transferred to unappropriated money		278.80
		$2,700.00

Incidental Expenses.

Appropriation	$7,000.00	
Transferred from unappropriated money	171.40	
		$7,171.40

EXPENDITURES.

BIRTHS AND DEATHS.

M. P. Badger, M. D.	$4.50
George L. Bastian, M. D.	13.75
W. L. Biron, M. D.	42.75
A. A. E. Brien, M. D.	.75
H. W. Boutwell, M. D.	4.50
Lillian G. Bullock, M. D.	2.00
C. E. Butterfield	.25
I. L. Carpenter, M. D.	5.50
Herman Christophe, M. D.	10.25
Charles Chirurg, M. D.	4.00
Clarence O. Coburn, M. D.	6.00
P. W. F. Corning, M. D.	1.25
J. M. Collity, M. D.	6.75
C. L. Curtiss, M. D.	3.75
E. H. Currier, M. D.	1.25
Walter T. Crosby, M. D.	5.00
Thomas F. Cotton	1.00
Mary S. Danforth, M. D.	5.75
George M. Davis, M. D.	16.75
R. H. Dillon, M. D.	5.75
E. B. Dunbar, M. D.	11.00
John D. Ferguson, M. D.	5.75
George V. Fiske, M. D.	5.50
C. F. Flanders, M. D.	23.25
C. A. Folsom, M. D.	16.25
George S. Foster, M. D.	4.25
E. N. Fugere, M. D.	27.25
Emdon Fritz, M. D.	.25
John Gleason, M. D.	4.50
Moise Guerin, M. D.	28.50
N. E. Guillet, M. D.	1.00
Mrs. Mary Hickman	.25
G. B. Hoitt, M. D.	7.00
John F. Holmes, M. D.	7.00
Bertha Huot	.25
J. A. Harlan, M. D.	.25
Ezra A. Jones, M. D.	10.75
M. E. Kean, M. D.	7.50

J. A. Lacasse, M. D.	$77.75
Gustave Lafontaine, M. D.	20.75
J. E. A. Lanouette, M. D.	56.50
J. E. Larochelle, M. D.	66.00
Z. A. Lavoie, M. D.	60.25
J. E. Lemaitre, M. D.	3.50
Joseph D. Lemay, M. D.	4.00
Wm. H. Lyons, M. D.	12.75
Susan Laflamme	18.50
J. W. D. MacDonald, M. D.	1.00
A. S. Mangurian, M. D.	2.75
A. A. Macleay, M. D.	.25
C. W. Milliken, M. D.	5.25
N. D. Michou, M. D.	1.50
George B. Morey, M. D.	2.00
M. V. B. Morse, M. D.	.25
John T. Murray, M. D.	5.00
H. W. Newell, M. D.	3.50
John C. O'Connor, M. D.	31.00
Clara Odmann	3.25
Anna Pollmer	1.75
D. W. Parker, M. D.	5.00
W. M. Parsons, M. D.	2.25
W. H. Pattee, M. D.	1.50
J. R. Pepin, M. D.	12.25
Frederick Perkins, M. D.	.75
Frank J. Pherson, M. D.	6.00
A. S. Rich	.50
Wm. Richardson, M. D.	.75
J. F. Robinson, M. D.	4.25
F. N. Rogers, M. D.	3.50
J. E. E. Roy, M. D.	20.50
Henry L. Stickney, M. D.	6.75
Mrs. A. Schelzel	.25
A. G. Straw, M. D.	1.25
Zatae L. Straw, M. D.	14.50
C. A. Sturtevant, M. D.	6.25
C. B. Sturtevant, M. D.	2.00
James Sullivan, M. D.	2.50
Emil Sylvain, M. D.	18.00
Joseph Taylor, M. D.	22.50
W. A. Thompson, M. D.	8.50
Arthur J. Todd, M. D.	1.00
George D. Towne, M. D.	1.00
E. C. Tremblay, M. D.	6.25
R. W. Tuttle	3.00
Ellen A. Wallace, M. D.	.25

G. M. Watson, M. D.	$21.75	
Maurice Watson, M. D.	2.00	
N. B. Webber, M. D.	3.50	
R. W. Weeks, M. D.	13.25	
A. F. Wheat, M. D.	2.00	
George C. Wilkins, M. D.	11.25	
C. A. Weaver	.50	
		$885.00

MARRIAGES.

Rev. H. E. Allen	$2.25
Rev. G. A. Anderson	1.25
Rev. C. R. Bailey	.75
Rev. James A. Beebe	.50
John C. Bickford	.50
Rev. J. J. Bradley	.25
Rev. Thomas Chalmers	4.00
Rev. J. A. Chevalier	15.25
Rev. N. L. Colby	21.00
Rev. C. L. Corliss	3.00
Rev. I. H. C. Davignon	19.25
Rev. L. J. Doucet	3.50
Maurice Derby	.25
Joseph M. Druker	.50
Rev. R. J. Elliott	4.75
Rev. J. E. A. Evert	3.75
Rev. David Fraser	2.00
I. E. and W. H. Forbes	5.00
Rev. D. J. Gorman	1.50
Mederic Guilbault	.75
Rev. George E. Hathaway	2.00
Rev. George R. Hazard	1.75
Rev. John Kamm	.50
Carroll S. King	1.00
Rev. B. W. Lockhart	1.25
Rev. L. M. Laplante	17.75
George A. Little	1.50
Rev. J. J. Lyons	6.25
Rev. F. X. Lyons	.75
B. J. Mack	.50
Rev. Thomas M. O'Leary	11.50
Rev. E. J. Palisoul	1.25
Rev. F. G. Pebler	1.00
Rev. J. B. Puchala	6.00
D. W. Perkins	.75
Rev. E. E. Reynolds	1.00

Rev. Samuel Russell	$6.75	
Herman Rodelsperger	1.50	
Rev. L. Szorc	11.25	
Arthur W. Shaw	.50	
Arthur E. Shirley	.25	
Edward C. Smith	1.25	
Rev. Pinkus Schachter	.25	
Rev. A. Streletzky	.50	
Leo Tyllo	2.00	
Rev. M. Vellacoulis	3.25	
Rev. A. F. Walch	2.75	
Leonard Walker	3.50	
Leo Wolansky	1.25	
John Zacharko	3.50	
		$183.25

DAMAGES AND JUDGMENTS.

Burton Buck, agent	$56.28	
Ozias T. Colman	100.00	
L. J. Eaton	10.00	
M. C. Paige	21.25	
		$187.53

LEGAL EXPENSES.

Arthur W. Dinsmore	$183.00	
Thomas B. Donnelly	1.62	
L. F. Kittredge	12.00	
Carroll S. King	33.00	
Ferdinand Farley	5.00	
Thomas D. Luce	.50	
John T. Nixon	10.28	
Taggart, Tuttle, Burroughs & Wyman	12.50	
Manchester Union Co.	20.10	
Calvin R. Wood	11.64	
		$289.64

CITY COUNCILS AND COMMITTEES.

Bessie A. Callaghan, making sundry copies	$13.80
Eva G. Jones, services as stenographer and typewriter	14.00
Ferdinand Farley, reporting and transcribing hearing, Building Inspector v. I. O. O. F. Building Association	15.90
W. J. Freeman, use of teams	20.00
A. L. Gadbois, use of hacks and taxicabs	73.00
W. P. Goodman, stationery	1.55
W. Y. Hadlock, use of automobiles	114.00

Manchester Union Co., advertising notice....	$10.08	
James W. Richards, use of teams.....	15.00	
Rapid Mailing Bureau, typewriting.....	9.00	
Roy & Gadbois, use of taxicabs and automobiles	90.00	
H. W. Spaulding, postage, paper, typewriting	5.95	
W. C. Spear, use of automobiles.....	15.75	
Smith-Ramsey Automobile Co., use of automobiles	41.00	
Arthur W. Phinney, cash paid:		
Expenses mayor and aldermen to Concord, inspecting Ward 8 ballots.....	33.50	
Expenses committee to legislature.....	4.32	
Expenses committee to Worcester and Brookline, inspecting subway stations..	20.95	
Express paid on plans.....	.85	
Edward C. Smith, cash paid:		
Expenses of committee to Portland, Me., and Springfield, Mass., investigating fire-houses and fire-alarm telegraph.....	107.15	
		$605.80

CITY SCALES.

W. E. Dunbar & Sons, wood.....	$0.82	
J. H. DeCourcy Co., wood.....	1.00	
George D. Fitts, 4 books, No. 748.....	15.87	
E. W. Poore, wood.....	5.00	
Temple & Farrington Co., stationery.....	10.00	
John B. Varick Co., wringer and pail.....	1.70	
John R. Willis & Co., coal.....	7.55	
		$41.94

MAYOR.

George D. Fitts, stationery.....	$5.48	
W. P. Goodman, books and stationery.....	11.15	
W. P. Goodman, directories.....	73.50	
New England Telephone & Telegraph Co., use of telephone.....	14.98	
J. M. Parker Manufacturing Co., 1 leather waste basket.....	6.00	
Francis Pratt, Jr., pens and penholders....	3.00	
Rapid Mailing Bureau, fasteners.....	.25	
Remington Typewriter Co., 1 No. 10 machine	90.00	
Remington Typewriter Co., 1 coupon book..	7.00	
E. G. Soltmann, penholders.....	1.00	
Temple & Farrington Co., 12 books.....	5.25	
		$217.61

TAX COLLECTOR.

John B. Clarke Co., advertising	$21.00	
E. H. Chadbourne, stamps	255.00	
G. D. Fitts, stationery	2.63	
W. P. Goodman, stationery	2.34	
Independent Statesman, advertising non-resident tax list	8.25	
Ideal Stamp Co., 1 stamp	.75	
Temple & Farrington Co., books and stationery	15.60	
		$305.57

CITY CLERK.

Boston Badge Co., junk collector's badges	$22.50	
John B. Clarke Co., advertising	17.85	
E. R. and W. P. Coburn, 1 frame	.60	
F. P. Collins, looking up delinquent dog licenses	25.00	
W. P. Goodman, stationery	22.72	
Ideal Stamp Co., 1 stamp	.15	
J. G. Jones, freight and cartage	.55	
McMillan Book Co., supplies	123.10	
New England Telephone & Telegraph Co., use of telephone	11.28	
Remington Typewriter Co., 2 No. 10 machines	155.50	
Star Stamp Co., repairing stamp	1.00	
H. Ohashi & Co., typewriter supplies	7.80	
Western Union Telegraph Co., clock rental	12.00	
Yawman & Erbe Manufacturing Co., cards, ruled and printed	22.50	
		$422.55

CITY TREASURER.

Amoskeag National Bank, rent of safety deposit box	$15.00
F. L. Allen, cash paid for stamps	13.50
F. P. Bridges & Co., pens	1.50
Alvah Bushnell Co., binding straps	1.25
E. H. Chadbourne, postals	5.00
G. D. Fitts, stationery, etc.	14.70
W. P. Goodman, stationery	6.06
The General Manifold & Printing Co., pay envelopes	31.50
Mabel L. How, cash paid for supplies	5.38
Ideal Stamp Co., 1 stamp	.75

H. I. Lemay, repairing clock	$0.75	
Manchester National Bank, rent of safe	50.00	
Manchester Traction, Light & Power Co., 1 fan	13.75	
A. E. Martell Co., manifold books	15.00	
New England Telephone & Telegraph Co., tolls	15.95	
Novelty Co., typewriter ribbons	1.60	
Old Colony Trust Co., preparation and certification of bonds and notes	445.00	
Francis Pratt, Jr., pens	6.00	
W. S. Reiser, 1 map	1.95	
Temple & Farrington Co., books and stationery	26.87	
		$671.51

COURT HOUSE.

W. E. Dunbar & Sons, wood	$6.00	
Willard Miner, janitor	600.00	
Moore & Preston Coal Co., coal	151.32	
People's Gas Light Co., gas	24.75	
D. M. Poore Coal Co., wood	5.10	
John R. Willis & Co., coal	226.64	
		$1,013.81

INSURANCE PREMIUMS.

W. G. Berry	$67.50	
George Blanchet	37.50	
Clough & Parker	88.75	
DeCourcy & Holland	60.00	
John Dowst	65.00	
Everett & Bunton	67.50	
Clarence M. Edgerly	90.00	
Hayes & Garland	30.00	
John A. Sheehan	127.50	
Robert R. Chase	60.00	
Samuel F. Connor	30.00	
		$723.75

SUNDRIES.

American Express Co., express on reports	$8.52	
F. L. Allen, expenses to Boston and Concord sundry times	18.55	
Amoskeag Automobile Co., use of automobile, entertaining Lawrence officials	5.00	
Battery A, firing Fourth of July salute	36.00	

A. G. Bean, cleaning ward room before and after caucus and elections	$30.00
Boston & Maine Railroad, 1 trip ticket to Boston	44.95
E. H. Chadbourne, stamps and cards	55.00
C. B. Clarkson, weighing coal	16.25
C. B. Clarkson, testing and adjusting sealer of weights and measures outfit	8.35
Mrs. E. S. Cowan, chickens killed by dogs	8.25
J. H. DeCourcy Coal Co., coal and wood, elections 1910, Ward 5 wardroom	5.00
Moise Dionne, labor, election booths, Ward 1	4.00
James E. Dodge, expenses to Concord of A. W. Rowell and self to appear before committee relative to savings bank and railroad tax bill	1.89
Ferdinand Farley, stenographer, tax sale	7.25
Mrs. D. O Feinald, storing voting booths	24.00
Peter Groux, setting fans, Ward 3	6.95
F. X. Gagne, material and labor, Ward 9 ward-room	40.25
A. L. Gadbois & Co., taxicabs, city solicitor	26.00
Michel Gagne, taxes paid, 1909, 1910, on lots not owned	8.12
John B. Hall Co., supplies for sealer of weights and measures	4.25
Ideal Stamp Co., 1 stamp	.50
J. G. Jones, freight and cartage	1.44
H. L. Jordan, lunch, Lawrence city officials	25.00
M. E. Kean, M. D., assisting city physician	3.00
Howard Millar, fowls killed by dogs	3.00
Manchester Traction, Light & Power Co., electric lights, Somerville engine house	16.59
Manchester Traction, Light & Power Co., lights, Ward 8 wardroom	10.00
New England Telephone & Telegraph Co., use of telephone	6.27
John T. Nixon, expenses to Concord, N. H., Harrington v. City	15.13
Estate John T. Nixon, sundry expenses and telephone charges	7.08
People's Gas Light Co., gas, Battery building	24.09
Edward N. Pearson, engrossing acts	16.50
Arthur W. Phinney, return of 449 names of children not returned by physicians	112.25
Edward C. Smith, return of 100 names of children	25.00

Oscar P. Stone, services and expenses as fire warden	$74.17	
E. A. Tyrrell, services and expenses as fire warden	52.80	
John A. Sheehan, bonds for city officials	557.09	
State of New Hampshire, certified copies of acts, etc.	9.00	
Joseph Sinville, chickens killed by dog	6.00	
Samuel Shepard, lock for Ward 2 jury box	.35	
Sobieski band, two concerts	100.00	
Temple & Farrington Co., stationery	13.50	
Town of Goffstown, taxes	3.05	
Joseph G. Edgerly, carfare to Manchester and return	2.68	
Water commissioners, use of water:		
Ward 5 wardroom	11.44	
City farm	21.00	
Battery building	28.50	
Oscar Moreau, traveling expenses, sundry places	59.47	
Union Stamp Works, 1 special stamp	2.00	
Calixte Vigneault, paid for taxes on Charles Allison lot, 1899-1908 inclusive	57.96	
		$1,623.44
Total expenditures		$7,171.40

City Officers' Salaries.

Appropriation	$27,000.00

EXPENDITURES.

CENTRAL DEPARTMENT.

Edward C. Smith, mayor	$3,000.00
Fred L. Allen, city treasurer	1,795.83
Arthur W. Phinney, city clerk	1,620.83
Arthur W. Phinney, clerk of committees	116.67
George E. Morrill, tax collector	1,708.33
Edwin C. Paul, deputy collector	841.63
A. S. Rich, deputy collector	841.63
Denis Vigneault, deputy collector	841.63
James R. Ferson, city messenger	1,000.00
John T. Nixon, city solicitor	616.65
Oscar F. Moreau, city solicitor	340.00
Gilbert Lyons, city weigher	541.63

John F. Madden, acting city weigher.....	$19.68	
John C. O'Connor, M. D., city physician....	1,025.00	
M. H. Towle, M. D., acting city physician....	50.00	
C. A. Folsom, M. D., acting city physician....	37.50	
John J. McAllister, Jr., mayor's secretary..	1,000.00	
Mabel L. How, clerk for treasurer.....	840.00	
Eva G. Jones, clerk for city clerk.....	856.00	
Malvina Levesque, clerk for city clerk.....	580.00	
Harry W. Spaulding, clerk of common council	100.00	
William Moher, bath-house caretaker.....	135.00	
Harrie Clement, clerical services.....	2.00	
Blanche E. Wheeler, clerical services.....	150.25	
May W. Davis, clerical services.....	103.50	
Myrtie G. Lang, clerical services.....	143.67	
Robert A. Morrill, clerical services.....	42.50	
		$18,349.93

SCHOOL OFFICERS AND BOARD OF SCHOOL COMMITTEE.

Charles W. Bickford, school superintendent..	$2,300.00	
Curtis W. Davis, truant officer.....	1,200.00	
Curtis W. Davis, balance of salary for 1910..	133.33	
Harry J. Woods, assistant truant officer....	412.50	
Ernest A. Bournival, president of common council, *ex officio*.....	21.87	
Ernest W. Weisner, Ward 1.....	21.87	
Allan M. Wilson, Ward 2.....	21.87	
Frank L. Downs, Ward 3.....	21.87	
William A. Phinney, Ward 4.....	21.87	
John F. Lee, Ward 5.....	21.87	
Harry L. Davis, Ward 6.....	21.87	
Edward B. Woodbury, Ward 7.....	21.87	
Frank A. Cadwell, Ward 8.....	21.87	
Nazaire E. Biron, Ward 9.....	21.87	
Francis X. Lyons, Ward 10.....	21.87	
Charles H. Martel, clerk.....	108.32	
Charles W. Bickford, clerk *pro tem*.....	50.00	
		$4,444.72

BOARD OF ALDERMEN.

Charles W. Richards, Ward 1.....	$200.00
Albert L. Clough, Ward 2.....	200.00
Albert L. Clough, Ward 2, 1910.....	9.00
Victor W. Roy, Ward 3.....	200.00
William H. Morgan, Ward 4.....	200.00
Richard J. Barry, Ward 5.....	200.00
Maurice Watson, Ward 6.....	200.00

Herbert A. Salls, Ward 7	$200.00	
Gustav F. Wenzel, Ward 8	200.00	
Arthur W. Dinsmore, Ward 8	42.00	
Stephen T. Martel, Ward 9	200.00	
Pierre J. Charron, Ward 10	200.00	
		$2,051.00
Total expenditures		$24,845.65
Transferred to unappropriated money		2,154.35
		$27,000.00

Assessors' Department.

Appropriation	$9,500.00	
Appropriation by resolution October 9	150.00	
		$9,650.00

EXPENDITURES.

SALARIES OF BOARD.

Joseph O. Tremblay, chairman	$1,500.00	
William P. Farmer	1,500.00	
Joseph H. Geisel	1,500.00	
		$4,500.00
Arthur W. Rowell, clerk of board		$1,350.00
Harry J. Briggs, engineer		$1,053.50

CLERICAL SERVICES.

Furchtegott Artz	$10.00
J. W. Z. Bernard	45.00
Charles W. Brown	166.50
Robert P. Carr	32.50
Frank P. Collins	81.13
James Costakis	51.25
Frank Curtis	27.50
Edwin F. Donnelly	214.75
Owen Devlin	8.75
Alfred Forant	32.50
Victor Irzyk	32.50
Edward T. Knowlton	165.00
Donat Lefebvre	31.25
John Montplaisir	30.25
John Montplaisir, Jr.	165.75
William Murphy	42.00

Edward R. O'Brien	$71.25	
John J. Redden	10.00	
Andrew Schricker	23.75	
L. M. Streeter	45.00	
Lucien Tremblay	13.00	
George Taylor	42.00	
Charles C. Tinkham	83.88	
George B. True	169.50	
Charles D. Trudell	41.25	
Harry Woods	78.75	
		$1,715.01

USE OF TEAMS.

Bridge St. Auto garage	$2.00	
W. J. Freeman	24.00	
French & Burke	3.00	
A. L. Gadbois & Co.	5.00	
L. S. Knowlton	76.50	
Howard Lamprey	5.00	
Manchester Auto garage	5.00	
James W. Richards	41.00	
Roy & Gadbois	62.00	
L. M. Streeter	22.50	
Smith & Johnson	12.50	
George Taylor	7.50	
Louis Vogel	20.00	
		$286.00

SUPPLIES.

Annis Flour & Grain Co., 2 carboys	$1.69	
E. M. Bryant & Co., shades and holders	.60	
John B. Clarke Co., printing envelopes, letterheads, etc.	38.75	
John B. Clarke Co., advertising notice	26.54	
E. H. Chadbourne, stamped envelopes	88.80	
G. D. Fitts, books and stationery	10.20	
L. G. Flanders, carbon paper	4.00	
W. P. Goodman, stationery	13.21	
Hale & Whittemore, 1 frame	1.85	
C. A. Hoitt Co., repairing chair	1.00	
Peter Harris & Son, repairing curtain to file box	4.65	
Ideal Stamp Co., 1 pad	.75	
L'Impremerie du Peuple, printing cards, letters, notices	19.00	
L'Avenir National, advertising notice	14.63	
Manchester Coal & Ice Co., ice	4.28	
Manchester Union Co., advertising notice	25.35	

J. J. Moreau & Son, 1 bottle cooler	$8.00	
New England Telephone & Telegraph Co., use of telephone	6.00	
Office Toilet Supply Co., service	13.00	
C. W. Powell, labor	1.60	
Ruemely Press, cards, etc.	39.60	
J. W. Stockbridge, 1 stand	15.00	
Standard Ice Co., ice	6.50	
Temple & Farrington Co., books and stationery	153.75	
J. O. Tremblay, cash paid:		
Expenses, sundry cities	109.75	
Postage, carfares, etc.	98.18	
John B. Varick Co., tracing paper, pencils, etc.	26.88	
		$733.56
Total expenditures		$9,638.07
Transferred to unappropriated money		11.93
		$9,650.00

Building Department.

Appropriation	$4,609.25

EXPENDITURES.

SERVICES.

S. Andrew Sprague, salary as building inspector	$337.50	
George H. Hammond, superintendent of public buildings	1,413.33	
George H. Hammond, allowance for team hire	83.35	
Harry S. Foster, inspector of buildings	600.00	
		$2,434.18

CLERICAL SERVICES.

Park J. Stewart	$936.00	
Leon B. Stevens	210.00	
		$1,146.00

SUPPLIES, ETC.

American Express Co., express charges	$3.08
American Tube Works, samples	4.34

O. G. Bloomey, teaming	$0.50	
C. G. Braxmar Co., badges	7.75	
George D. Fitts, stationery and books	16.12	
W. P. Goodman, stationery	19.40	
C. E. Goodwin, inspection and expenses	26.95	
G. H. Hammond, expenses to Lynn and Worcester	15.00	
G. H. Hammond, express	.70	
H. W. Hayward, testing cement blocks	14.15	
Henry I. Lemay, repairing clock	.75	
Library Bureau, filing cabinet outfit	175.00	
Manchester Street Railway, tickets	32.50	
New England Telephone & Telegraph Co., use of telephone	28.31	
Novelty Co., typewriter, etc.	75.15	
Ruemely Press, 1,000 building codes, 100 copies leather bound	410.00	
S. A. Sprague, traveling expenses, Boston, New Bedford, and Worcester	8.72	
Thomas Smith, labor	25.38	
Travelers Insurance Co., special inspection boilers Cilley block, and elevator inspection	9.00	
J. A. Williams, printing cards, postals, etc.	62.75	
John B. Varick Co., drafting machine, drawing table, supplies	70.44	
		$1,005.99
Total expenditures		$4,586.17
Transferred to unappropriated money		23.08
		$4,609.25

Auditor's Department.

Appropriation	$2,500.00	
Transferred from unappropriated money	108.38	
		$2,608.38

EXPENDITURES.

LABOR.

James E. Dodge, salary as auditor	$1,620.80	
Lizzie M. Cogswell, services as clerk	936.00	
		$2,556.80

SUPPLIES.

Bank and Office Equipment Co., 50 guides...	$3.50	
L. M. Cogswell, cash paid:		
Laundry, postals, stamps, etc.....	13.74	
James E. Dodge, express and delivering reports	1.65	
G. D. Fitts, paper, 100 boxes, dictionary, etc.	21.20	
W. P. Goodman, stationery and books.....	3.70	
Peter Harris & Son, grinding knives.....	.25	
Ideal Stamp Co., stamp and pad.....	1.10	
C. S. Magoon, carbon paper.....	2.00	
Municipal Journal and Engineer, 1 subscription	3.00	
New England Telephone & Telegraph Co., tolls	.10	
F. E. Nelson, 1 flowerpot.....	.37	
John B. Varick Co., 1 rule, paper.....	.97	
		$51.58
Total expenditures.....		$2,608.38

Mayor's Incidentals.

Appropriation	$300.00

EXPENDITURES.

Edward C. Smith.....	$300.00

Street and Park Commission.

Appropriation	$10,000.00	
Transferred from unappropriated money....	777.11	
		$10,777.11

EXPENDITURES.

SALARIES OF COMMISSIONERS.

William McElroy, chairman.....	$750.00	
Samuel J. Lord.....	1,433.28	
Byron Worthen.....	750.00	
		$2,933.28

DIVISION SUPERINTENDENTS AND ASSISTANTS.

George P. Ames, Division No. 2	$1,500.00	
Charles Francis, Division No. 7	1,200.00	
Alphonse Laberge, Division No. 10	1,092.00	
Emile A. Blanchet, timekeeper	735.48	
Noyes B. Cummings, inspector	106.40	
Felix A. Lepage, timekeeper	8.40	
George B. True, inspector	226.25	
		$4,868.53

CLERICAL SERVICES.

Harrie H. Clement	$1,014.81	
Frank L. McAllister	72.00	
E. Park Stevens	828.09	
Harry T. George	127.98	
Felix A. Lepage	43.40	
		$2,086.28

SUPPLIES, ETC.

Burroughs Adding Machine Co., paper	$2.70
John B. Clarke Co., printing and binding	85.50
E. H. Chadbourne, stamps	50.00
H. H. Clement, paid rent of typewriter, etc.	4.50
George D. Fitts, cabinet and cards	17.35
W. P. Goodman, books and stationery	66.74
W. Y. Hadlock, automobile hire	10.00
Ideal Stamp Co., stamps and repairs	12.60
H. I. Lemay, repairing clock	2.50
Manchester Auto Garage, use of automobile	14.00
Manchester Coal & Ice Co., ice (1910)	4.28
Melvin & Fitts, record books	1.50
William McElroy, expenses to Boston, commissioners and committees, sundry times	62.45
Municipal Journal and Engineer, 1 subscription, magazine	3.00
New England Telephone & Telegraph Co., use of telephones	193.68
Francis Pratt, Jr., pens	1.50
E. L. Powers Co., 1 subscription magazine	1.00
Remington Typewriter Co., 2 cylinders	5.40
Ruemely Press, printing and binding	58.50
Smith & Johnson, use of automobile	10.00
W. C. Spear, use of automobile, etc.	65.50
E. Park Stevens, cash paid stamps, express, etc.	32.17
Temple & Farrington Co., books and stationery, binding and ruling	62.95

Standard Ice Co., ice	$7.55	
John B. Varick Co., brush	.10	
Samuel Ward Co., binder staples	2.00	
F. S. Webster Co., pencil sharpener cutter	.15	
Weed-Parsons Printing Co., 1 table of wages	5.00	
J. A. Williams, printing and binding	14.65	
Byron Worthen, expenses to Kansas City and return	91.75	
		$889.02
Total expenditures		$10,777.11

Repairs of Highways.

Appropriation	$30,000.00	
Received for labor and material sold	1,509.84	
		$31,509.84

EXPENDITURES.

LABOR.

Division No. 2:		
February	$1.92	
March	10.92	
April	136.91	
May	969.96	
June	1,763.24	
July	957.93	
August	1,649.92	
September	1,392.87	
October	963.21	
November	718.89	
December	1,408.14	
		$9,973.91
Division No. 4:		
April	$104.99	
October	73.50	
November	105.00	
December	131.25	
		$414.74
Division No. 5:		
April	$3.73	
June	89.21	
July	45.18	
August	30.03	
September	69.82	
October	43.76	
		$281.73

Division No. 7:		
January	$2.62	
February	105.87	
March	58.61	
April	203.25	
May	637.01	
June	1,111.21	
July	688.18	
August	987.09	
September	941.94	
October	748.44	
November	281.37	
December	19.78	
		$5,785.37
Division No. 9:		
July	$144.31	
August	307.72	
September	155.23	
October	129.79	
November	87.11	
December	38.23	
		$862.39
Division No. 10:		
January	$15.50	
February	4.75	
March	16.25	
April	70.60	
May	244.85	
June	1,029.96	
July	667.97	
August	2,237.16	
September	1,151.05	
October	447.32	
November	847.78	
December	1,718.09	
		$8,451.28

STONE, GRAVEL, LUMBER.

Lawrence Connor, gravel	$11.90
Head & Dowst Co., labor	1.60
Eugene Libbey, gravel	4.20
John S. Lovering, gravel	19.60
Massachusetts Broken Stone Co., stone	2,451.85
J. H. Mendell Co., shingles	2.75
A. N. Nettle, gravel	10.00
Milton C. Paige, gravel	343.10
Pike & Heald Co., pipe, etc	11.18

Robie Consolidated Concrete Co., gravel, concrete, oil	$484.00	
West Side Lumber Co., lumber	25.00	
Winchester Broken Stone Co., stone	294.13	
		$3,659.31

OTHER SUPPLIES AND REPAIRS.

American Locomotive Co., steel	$1.25	
A. B. Black Road Machinery Co., supplies	324.24	
L. B. Bodwell, coal	5.35	
Buffalo Steam Roller Co., supplies	117.31	
Detroit Graphite Co., paint	83.70	
Drew Machinery Agency, screws, making bolts, etc	6.50	
Good Roads Machinery Co., supplies	188.67	
Ingersoll-Sergeant Drill Co., supplies for drill	180.23	
Manchester Machine Works, repairing pulley	.39	
Robie Consolidated Concrete Co., paving repairs	894.16	
Standard Oil Co., oil	16.50	
Vacuum Oil Co., oil	51.13	
John B. Varick Co., hardware and tools	94.86	
		$1,964.29

SUNDRIES.

Boston & Maine railroad, freight	$8.65	
S. C. Kennard and H. L. Additon, trustee, use of premises corner Beech and Bridge streets	60.00	
C. F. McCarty, lettering signs	5.25	
Manchester Awning Co., awnings (destroyed by sparks from road roller)	12.00	
Water commissioners, water for crusher	30.00	
		$115.90
Total expenditures		$31,508.92
Transferred to unappropriated money		.92
		$31,509.84

New Highways.

Appropriation	$5,000.00	
Received for labor and material sold	945.00	
Transferred from unappropriated money	113.26	
		$6,058.26

EXPENDITURES.

LABOR.

Division No. 2:		
May	$363.36	
June	288.62	
July	5.25	
August	304.77	
September	135.95	
October	281.05	
		$1,379.00

SUNDRIES.

Besse-Eldridge Co., canvas gloves	$0.42	
L. B. Bodwell & Co., coal	76.51	
Boston & Maine Railroad, freight	31.86	
James F. Cavanaugh, balance due on contract improving River road	1,500.00	
Hanscom Construction Co., paving	2,711.76	
Inter-Oceanic Commercial Co., steel for picks	41.65	
Manchester Pressed Stone Co., full settlement for sand and gravel on agreement June 19, 1908	50.00	
H. W. Parker, freight on empty bags	19.70	
The Stewart Iron Works, iron fence	223.13	
Standard Oil Co., oil	5.50	
John B. Varick Co., tools, etc	18.73	
		$4,679.26
Total expenditures		$6,058.26

Snow and Ice and Cleaning Streets.

Appropriation	$15,000.00	
Received for labor	257.07	
Transferred from unappropriated money	480.16	
		$15,737.23

EXPENDITURES.

LABOR.

Division No. 2:	
January	$660.60
February	1,626.79
March	768.31
April	518.93
May	2,519.94
June	967.64
July	579.28

August	$1,068.11	
September	772.33	
October	674.03	
November	796.07	
December	259.51	
		$11,211.54
Division No. 4:		
February	$63.00	
March	.38	
		$63.38
Division No. 5:		
January	$57.75	
February	3.37	
March	1.00	
		$62.12
Division No. 7:		
January	$134.20	
February	189.14	
March	148.72	
April	78.81	
		$550.87
Division No. 9:		
January	$75.99	
July	16.75	
		$92.74
Division No. 10:		
January	$114.23	
February	700.21	
March	527.04	
April	534.65	
May	1,447.40	
July	2.01	
August	19.00	
December	46.92	
		$3,391.46
SUNDRIES.		
Amoskeag Manufacturing Co., repairing scraper	$4.33	
Charles Boisclair, teaming	20.00	
Joseph St. Germain, snowplowing	20.00	
Charles Francis, paid for salt	1.20	
H. W. Parker, salt	8.64	
Robie Consolidated Concrete Co., sand	32.50	
H. Thompson, 72 push-brooms	33.00	
John B. Varick Co., glass and hoes	25.94	
James Ried, sanding streets	34.25	
C. B. Danforth, breaking sidewalks	7.50	
Alphonse Laberge, paid for labor	177.76	
		$365.12
Total expenditures		$15,737.23

Watering Streets.

Appropriation	$10,000.00	
Received for labor and material sold	2,972.81	
Transferred from unappropriated money	166.10	
		$13,138.91

Expenditures.

Labor.

Division No. 2:		
January	$3.75	
March	2.50	
April	23.17	
May	1,084.69	
June	929.04	
July	1,876.82	
August	1,111.82	
September	430.64	
October	271.34	
November	7.56	
December	2.07	
		$5,743.40
Division No. 4:		
December		$17.49
Division No. 7:		
May	$218.87	
June	151.00	
July	382.62	
August	376.48	
September	115.00	
		$1,243.97
Division No. 10:		
January	$5.75	
February	22.55	
March	7.00	
April	1.75	
May	387.21	
June	273.11	
July	446.86	
August	419.60	
September	245.13	
October	81.77	
November	6.55	
December	2.00	
		$1,899.28

SUPPLIES AND REPAIRS.

Amoskeag Manufacturing Co., pipe connections to tank cars of road oil for heating same	$188.60	
Brodie Electric & Automobile Co., gasoline	.75	
Boston & Maine Railroad, freight and car service	285.83	
Drew Machinery Agency, drilling holes in pipe	2.50	
S. P. Dodge Co., repairs	13.35	
Alex Champagne, use of watering trough	3.00	
Chandler Eastman Co., repairing sprinklers	89.65	
Indian Refining Co., oil and liquid asphalt	1,293.26	
Kinney Manufacturing Co., spraying outfit	163.20	
Manchester Coal & Ice Co., ice	55.00	
Maxwell Ice Co., ice	55.00	
J. J. Moreau & Son, dippers	2.50	
New England Contracting Co., 640-gallons iron tank oil distributer	600.00	
Pike & Heald Co., pipe, etc.	120.24	
Robie Consolidated Concrete Co., heating and mixing road oil	71.13	
Standard Ice Co., ice	55.00	
Standard Oil Co., oil and sprinkler	1,220.62	
John B. Varick Co., hardware	15.14	
		$4,234.77
Total expenditures		$13,138.91

Paving Streets.

Appropriation	$20,000.00	
Received for labor and material sold	8,146.93	
		$28,146.93

EXPENDITURES.

LABOR.

Division No. 2:		
April	$9.25	
May	82.80	
June	28.00	
July	.87	
August	102.55	
September	1,084.70	
October	1,762.81	
November	1,019.26	
December	52.16	
		$4,142.40

Division No. 7:		
May	$5.25	
July	29.99	
August	65.74	
September	121.34	
October	80.25	
November	5.94	
		$308.51
Division No. 10:		
October	$583.01	
November	328.80	
December	417.57	
		$1,329.38

SUNDRIES.

Amoskeag Manufacturing Co., repairing concrete mixer and cement	$242.43	
F. A. Angier, inspector of paving	127.63	
Boston & Maine Railroad, freight and car service	471.32	
Barrett Manufacturing Co., tarvia	284.24	
C. A. Bailey, curbing and paving blocks	435.33	
Connolly & Diamond, paving and repairs	1,525.65	
Evariste Dionne, curbing	111.84	
G. W. Dodge Shoe Co., rubber boots	4.00	
Dyar Supply Co., supplies for concrete mixer	34.36	
Hanscom Construction Co., wood paving blocks	3,111.53	
Manchester Machine Works, repairs	6.65	
Manchester supply Co., cement	906.00	
Henry W. Parker, cement	1,205.61	
Palmer and Garmon, paving blocks	12,782.88	
Pike & Heald Co., pipe	3.35	
People's Gas Light Co., refund, overcharge	6.71	
Robie Consolidated Concrete Co., repairs	983.81	
John B. Smith, water and privileges while repairing Elm street	10.00	
Standard Oil Co., gasoline, etc	18.24	
John B. Varick Co., hardware and tools	95.06	
		$22,366.64
Total expenditures		$28,146.93

Macadamizing Streets.

Appropriation	$8,000.00	
Appropriation, by resolution, October 10	6,200.00	
		$14,200.00

EXPENDITURES.

LABOR.

Division No. 2:		
November	$1,319.37	
December	978.36	
		$2,297.73
Division No. 7:		
November	$1,000.70	
December	592.19	
		$1,592.89
John S. McElroy, engineer, steam roller		25.00
F. A. Angier, inspector of paving		37.80

SUNDRIES.

Charles A. Bailey, curbing	$320.80	
L. B. Bodwell, coal	629.57	
Boston & Maine Railroad, car service, etc.	68.00	
Buffalo Steam Roller Co., 1 strap	4.00	
James F. Cavanaugh, final settlement of contract for grading and improving state highway	3,504.85	
Connolly & Diamond, paving	642.50	
Evariste Dionne, curbing	83.84	
Essex Trap Rock & Construction Co., broken stone	281.59	
Massachusetts Broken Stone Co., broken stone	3,026.78	
Manchester Traction, Light & Power Co., electricity	183.25	
Palmer & Garmon, paving blocks	811.89	
Standard Oil Co., oil	3.58	
John B. Varick Co., 1 stone spreading wagon	275.00	
John B. Varick Co., shovels	20.99	
Waltham Trap Rock Co., stone dust	212.43	
		$10,069.07
Total expenditures		$14,022.49
Transferred to unappropriated money		177.51
		$14,200.00

Grading for Concrete.

Appropriation	$3,000.00	
Received for labor and material sold	44.66	
Transferred from unappropriated money	1,777.77	
		$4,822.43

EXPENDITURES.

LABOR.

Division No. 2:		
January	$1.00	
March	12.02	
May	143.09	
June	415.06	
July	399.50	
August	584.62	
September	273.66	
October	437.42	
November	406.66	
December	299.89	
		$2,972.92
Division No. 7:		
August	$62.48	
September	5.94	
October	64.29	
November	9.24	
December	80.32	
		$222.27
Division No. 10:		
March	$5.50	
April	40.24	
May	93.73	
June	242.54	
July	112.98	
August	172.01	
September	95.79	
October	106.08	
November	286.45	
December	87.38	
		$1,242.70
Commons:		
June		$25.20

SUNDRIES.

Amoskeag Manufacturing Co., repairs	$3.64	
Evariste Dionne, curbing	171.29	
Alphonse Laberge, setting curbing	62.59	
Manchester Auto Garage, gasoline	1.50	
Palmer & Garmon, curbing	56.92	
Robie Consolidated Concrete Co., repairs	48.77	
John B. Varick Co., tools and hardware	14.63	
		$359.34
Total expenditures		$4,822.43

Scavenger Service.

Appropriation		$30,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
January	$1,146.50	
February	1,514.78	
March	1,191.19	
April	1,212.77	
May	1,510.11	
June	979.11	
July	1,021.29	
August	1,405.22	
September	1,653.46	
October	1,561.71	
November	2,035.04	
December	1,740.00	
		$16,971.18
Division No. 7:		
January	$170.61	
February	218.75	
March	181.12	
April	179.35	
May	222.67	
June	134.73	
July	126.87	
August	178.08	
		$1,412.18
Division No. 10:		
January	$270.40	
February	267.10	
March	221.98	
April	216.10	
May	381.05	
June	299.21	
July	316.71	
August	454.65	
		$2,427.20

SUNDRIES.

Amoskeag Manufacturing Co., lumber, etc...	$2.20
Mrs. W. H. Bickford, contract work.....	1,922.64
Boston & Maine Railroad, freight.....	2.20
Paul Claus, expenses bringing motor truck to city.....	7.25
Detroit Graphite Co., wagon enamel.....	18.00

S. P. Dodge Co., repairing wagon	$10.50	
Manchester Auto Garage, 2 chains	37.80	
Peerless Motor Car Co., supplies	3.00	
Levi J. Proctor, inspector	999.96	
Edward N. Pearson, license for motor truck and for chauffeur	15.00	
Sanborn Carriage Co., repairs	3.00	
W. C. Spear, 1 4-tons motor truck	4,400.00	
W. C. Spear, material and labor	6.83	
Standard Oil Co., motor gasoline	109.53	
John A. Sheehan, insurance premiums	148.75	
Vacuum Oil Co., oil	96.48	
John B. Varick Co., tools and hardware	46.23	
J. A. Williams, binding reports	11.25	
		$7,840.62
Total expenditures		$28,651.18
Transferred to unappropriated money		1,348.82
		$30,000.00

Street Sweeping.

Appropriation	$8,000.00	
Received for labor and material sold	2,928.77	
		$10,928.77

EXPENDITURES.

LABOR.

Division No. 2:		
January	$55.29	
February	58.34	
March	161.91	
April	586.64	
May	1,038.98	
June	951.19	
July	904.09	
August	1,276.61	
September	1,047.64	
October	1,155.13	
November	1,145.70	
December	777.35	
		$9,158.87

Division No. 10:		
April	$10.75	
May	104.62	
June	135.12	
July	119.87	
August	177.51	
September	2.12	
October	35.02	
		$585.01

SUNDRIES.

A. B. Black Road Machinery Co., street cleaners and cans	$581.00	
Boston & Maine Railroad, freight	3.27	
E. C. Bresnahan, repairs on harness and wagon	11.05	
Drew Machinery Agency, material and labor	3.00	
Studebaker Bros., sprockets	10.50	
H. Thompson, brooms and refilling brooms	561.75	
John B. Varick Co., baskets	1.50	
		$1,172.07
Total expenditures		$10,915.95
Transferred to unappropriated money		12.82
		$10,928.77

Bridges.

Appropriation	$8,000.00	
Received for labor and material sold	312.47	
		$8,312.47

EXPENDITURES.

LABOR.

Division No. 2:		
January	$15.94	
February	9.75	
May	76.61	
June	28.55	
July	27.12	
August	1,060.43	
September	880.62	
October	71.42	
December	24.63	
		$2,195.07

Division No. 5:		
May	$23.11	
August	3.49	
		$26.60
Division No. 7:		
May		$2.61
Division No. 10:		
February	$2.25	
May	35.87	
June	3.75	
July	28.87	
August	31.05	
October	88.29	
		$190.08

SUNDRIES.

Adams & Nichols, plank	$167.27	
American Locomotive Co., iron and labor	3.00	
Amoskeag Manufacturing Co., bars, etc.	4.08	
Barrett Manufacturing Co., paving pitch	51.52	
C. F. Babbitt, freight and cartage	4.94	
Boston & Maine Railroad, freight	5.46	
Concord Foundry & Machine Co., castings	236.75	
Carbolineum Wood Preserving Co., carbolineum	130.38	
Champagne & Charnley, lumber and labor	19.50	
B. F. Greer, plank	1,099.24	
Manchester Street Railway, tickets	2.50	
J. H. Mendell Co., planking Amoskeag bridge	997.42	
People's Gas Light Co., coal tar	6.25	
Pike & Heald Co., pipe	10.85	
Robie Consolidated Concrete Co., repairs, etc.	189.28	
United Construction Co., steel beams and fittings	2,416.77	
John B. Varick Co., hardware	173.15	
West Side Lumber Co., lumber	377.83	
		$5,896.19
Total expenditures		$8,310.55
Transferred to unappropriated money		1.92
		$8,312.47

City Teams.

Appropriation	$15,000.00	
Received for labor and material sold	672.80	
Transferred from unappropriated money	178.43	
		$15,851.23

Expenditures.

LABOR.

Division No. 2:		
January	$520.67	
February	593.37	
March	446.72	
April	471.39	
May	665.49	
June	479.06	
July	621.53	
August	730.90	
September	500.97	
October	545.85	
November	1,564.85	
December	901.80	
		$8,042.69
Division No. 10:		
February	$1.00	
May	2.32	
		$3.32
Commons:		
August		$29.70

GRAIN, HAY, STRAW.

W. W. Bassett	$410.79	
Arthur S. Brown	484.12	
William Clark	251.60	
F. H. Masse & Co.	2,563.16	
Rt. Rev. G. A. Guertin	35.79	
		$3,745.46

HARNESS AND REPAIRS.

W. L. Comire	$71.40	
Ranno Saddlery Co.	8.50	
Alva Silva	18.50	
Joseph Vogel & Co.	165.75	
		$264.15

HARDWARE AND TOOLS.

John B. Varick Co.	$659.87

VETERINARY EXPENSES.

J. L. Golden, V. S., services and medicine....	$64.65	
A. J. Precourt & Co., medicine.....	4.44	
A. J. Precourt, medicine.....	2.25	
		$71.34

FUEL, FREIGHT, LIGHTS, WATER.

L. B. Bodwell, coal.....	$168.02	
Boston & Maine Railroad, freight.....	23.68	
Manchester Traction, Light & Power Co., lights at city stables and city farm.....	75.81	
People's Gas Light Co., gas.....	194.04	
Water commissioners, use of water.....	70.75	
		$532.30

MATERIAL AND REPAIRS.

Adams Brothers, lime.....	$5.60	
Amoskeag Manufacturing Co., material.....	4.20	
Champagne & Charnley, lumber and labor..	45.30	
Coates Clipper Manufacturing Co., 1 toe calk sharpener	100.80	
Corrugated Bar Co., steel reinforcement for garage	200.61	
S. P. Dodge Co., material and repairs.....	51.95	
Fred M. Dow & Sons, painting sleds.....	20.00	
Farrell Bros., electric supplies and labor....	63.78	
Frost Paint & Manufacturing Co., paint....	112.25	
P. Harrington & Sons, barrels.....	6.50	
Hamblett & Haynes Co., sponges.....	58.49	
Head & Dowst Co., lumber and labor.....	5.20	
W. F. Head & Son, brick.....	91.38	
Leighton Machine Co., iron and labor.....	16.88	
Manchester Auto Garage, gasoline and supplies	56.35	
Manchester Machine Works, repairing concrete mixer	1.75	
Manchester Traction, Light & Power Co., stock wiring arc light.....	6.17	
F. F. Osgood, belting.....	14.86	
H. W. Parker, salt and oatmeal.....	2.95	
Pike & Heald Co., pipe.....	4.03	
B. M. Prescott, Jr., automobile supplies....	10.00	
Red Arrow Garage, vulcanizing.....	2.50	
Robie Consolidated Concrete Co., sand.....	17.00	
Standard Oil Co., oil and gasoline.....	98.64	
Watson Wagon Co., supplies.....	7.15	
West Side Lumber Co., lumber.....	216.55	
		$1,220.89

SUNDRIES.

E. A. Blanchet, use of horse	$57.12	
Committee on city farm, rent of land and buildings	1,020.00	
Ira W. Dickey, grinding apples	5.08	
Everett & Bunton, insurance premium	20.00	
P. Harrington Sons, 2 barrels	2.50	
Alphonse Laberge, board of horse	168.00	
Manchester Coal & Ice Co., ice	4.40	
Walter L. Roper, repairing plastering, city farm	4.50	
		$1,281.60
Total expenditures		$15,851.23

Repairs of Sewers.

Appropriation	$5,000.00	
Received for labor and material sold	354.38	
Transferred from unappropriated money	856.40	
		$6,210.78

EXPENDITURES.

LABOR.

Division No. 2:		
January	$120.67	
February	172.70	
March	604.25	
April	435.59	
May	317.45	
June	207.06	
July	77.44	
August	363.85	
September	156.36	
October	84.53	
November	63.26	
December	202.19	
		$2,805.35
Division No. 7:		
March	$120.88	
April	53.35	
May	41.09	
July	35.88	
August	57.56	
September	15.28	
		$324.01

Division No. 10:		
February	$97.90	
March	293.83	
April	25.74	
May	7.00	
June	310.54	
July	131.89	
August	61.71	
September	124.32	
October	13.62	
November	26.71	
December	25.94	
		$1,119.20

MATERIAL, LABOR, ETC.

American Locomotive Co., mounting new boiler, testing engine, etc.	$118.24	
Harold L. Bond Co., 1 boiler	136.34	
Boston & Maine Railroad, freight	19.20	
Concord Foundry & Machine Co., castings	1,268.05	
Evariste Dionne, cesspool stone	68.00	
S. P. Dodge Co., spokes, felloes, etc.	12.20	
Geo. W. Dodge Shoe Co., rubber boots	17.00	
W. F. Head & Son, brick	180.51	
Pike & Heald Co., pipe	21.13	
Putnam & Laflamme, insurance premium	100.00	
John B. Varick Co., steam hose	21.52	
		$1,962.19
Total expenditures		$6,210.78

New Sewers.

Appropriation	$18,000.00	
Appropriation, by resolution, October 9	7,643.00	
Received for labor and material sold	3,226.94	
		$28,869.94

EXPENDITURES.

LABOR.

Division No. 2:		
January	$31.73	
February	7.74	
March	4.11	
May	779.56	
June	1,168.24	

July	$1,254.72	
August	1,566.92	
September	626.27	
October	789.06	
November	1,172.23	
December	2,134.19	
		$9,534.77
Division No. 7:		
February	$171.21	
May	200.57	
June	65.62	
July	95.41	
August	323.35	
December	131.20	
		$987.36
Division No. 10:		
January	$191.32	
February	534.87	
April	22.35	
May	251.37	
June	372.15	
July	326.79	
August	275.76	
September	484.30	
November	897.11	
December	1,190.00	
		$4,546.02

HARDWARE, SEWER PIPE, ETC.

American Locomotive Co., rolling boiler tubes, etc.	$11.00	
Amoskeag Manufacturing Co., boiler tubes	11.30	
James F. Cavanaugh, material and labor	2,547.53	
Carson Trench Machine Co., supplies	33.50	
Concord Foundry & Machine Co., castings	789.77	
Drew Machinery Agency, 1 valve	4.00	
Dyar Supply Co., steam hose	30.00	
Eastern Clay Goods Co., sewer pipe	5,859.57	
N. O. Garland, sand	93.10	
Manchester Supply Co., pipe	38.65	
Pike & Heald Co., pipe	56.37	
B. H. Piper Co., pick handles	17.50	
Standard Oil Co., oil	20.63	
John B. Varick Co., hardware and tools	548.31	
Mrs. David Young, sewer pipe	5.29	
		$10,066.52

BRICK, CEMENT, LUMBER.

Cavanaugh Bros., lumber	$289.59	
B. F. Greer, lumber	341.64	
W. F. Head & Son, brick	828.99	
Head & Dowst Co., brick	11.00	
Manchester Street Railway, old ties	10.00	
H. W. Parker, cement	256.50	
West Side Lumber Co., lumber	230.29	
		$1,968.01

SUNDRIES.

L. B. Bodwell, coal	$24.73	
Boston & Maine Railroad, freight	663.06	
Geo. W. Dodge Shoe Co., rubber boots	32.00	
C. A. Folsom, M. D., medical attendance, man injured in sewer	3.00	
H. W. Parker, salt	.60	
Putnam & Laflamme, insurance premium	200.00	
Daniel Readey, use of land	70.00	
		$993.39
Total expenditures		$28,096.07
Transferred to unappropriated money		773.87
		$28,869.94

Commons.

Appropriation	$4,500.00

EXPENDITURES.

LABOR.

January	$74.14	
February	117.98	
March	71.05	
April	88.37	
May	216.65	
June	154.03	
July	143.46	
August	204.54	
September	173.74	
October	184.14	
November	241.56	
December	73.04	
		$1,742.70
John Seastrom, superintendent		$735.00

ELECTRIC LIGHTS AND WATER.

Manchester Traction, Light & Power Co., electric lights	$156.10	
Water commissioners, use of water	700.00	
		$856.10

SUNDRIES.

F. J. Bixby, plants	$210.22	
Boston & Maine Railroad, freight	23.05	
Geo. W. Dodge Shoe Co., rubber boots	12.00	
H. B. Fairbanks, oats and top dressing	54.20	
A. P. Horne, maple trees	9.50	
Parnell Bros., barrels	2.50	
Ranno Saddlery Co., 1 collar	4.50	
John H. Stevens, labor on boiler	16.27	
G. W. Spaulding, repairing harness, etc.	7.00	
Stewart Iron Works, iron fence	247.62	
John B. Varick Co., hardware, paint, tools	52.63	
West Side Lumber Co., lumber	12.11	
		$651.60
Total expenditures		$3,985.40
Transferred to unappropriated money		514.60
		$4,500.00

Stark Park.

Balance from last year unexpended	$977.23	
Appropriation	1,000.00	
Received for labor and material sold	36.56	
		$2,013.79

EXPENDITURES.

LABOR.

January	$52.99	
February	80.36	
March	45.57	
April	101.46	
June	76.09	
July	42.14	
August	207.04	
September	99.55	
October	85.72	
November	47.74	
December	63.58	
		$902.24

SUNDRIES.

F. J. Bixby, plants	$81.12	
Pike & Heald Co., hose bibb	.55	
John B. Varick Co., paint	14.20	
Water commissioners, use of water	12.00	
		$107.87
Total expenditures		$1,010.11
Transferred to new account		977.23
Transferred to unappropriated money		26.45
		$2,013.79

Derryfield Park.

Appropriation	$1,000.00

EXPENDITURES.

LABOR.

January	$9.31	
March	54.60	
April	81.82	
May	32.90	
June	78.22	
July	160.47	
August	97.02	
September	104.06	
October	106.04	
November	76.56	
December	79.20	
		$880.20

SUNDRIES.

Carl W. Anderson, repairing field glasses	$0.50	
W. G. Berry, insurance premium	5.00	
F. J. Bixby, plants	35.45	
John A. Sheehan, insurance premium	6.00	
John B. Varick Co., hardware	24.10	
Water commissioners, use of water	30.00	
		$101.05
Total expenditures		$981.25
Transferred to unappropriated money		18.75
		$1,000.00

Lafayette Park.

Appropriation		$1,000.00

EXPENDITURES.

LABOR.

Division No. 10:		
January	$4.50	
September	26.95	
October	124.19	
November	362.52	
		$518.16

SUNDRIES.

Hanscom Construction Co., granolithic steps	$389.21	
John B. Varick Co., lamp black	1.68	
		$390.89
Total expenditures		$909.05
Transferred to unappropriated money		90.95
		$1,000.00

Ball Ground in Wolf Park.

Appropriation		$200.00

EXPENDITURES.

LABOR.

Commons:		
July	$76.48	
August	110.62	
		$187.10
Total expenditures		$187.10
Transferred to unappropriated money		12.90
		$200.00

Miscellaneous Playgrounds.

Appropriation		$1,000.00

EXPENDITURES.

LABOR.

Commons:		
April	$7.28	
May	25.62	
June	3.78	
July	28.16	
August	61.98	
September	37.91	
October	14.00	
November	3.96	
		$182.69
Division No. 2:		
December		$61.58

SUNDRIES.

Amoskeag Manufacturing Co., rent of land	$2.00	
F. E. Nelson, iron spoons	3.60	
People's Gas Light Co., piping Prout house	40.60	
John B. Varick Co., hardware	8.98	
Water commissioners, use of water	33.56	
West Side Lumber Co., lumber	10.52	
		$99.26
Total expenditures		$343.53
Transferred to unappropriated money		656.47
		$1,000.00

City Yard.

Appropriation		$6,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
June	$31.37	
July	6.55	
		$37.92
George B. True, inspector		$38.25

SUNDRIES.

Amoskeag Manufacturing Co., on account of land (fourth payment)	$5,000.00	

J. H. Mendell Co., laths	$0.90	
John B. Varick Co., hardware	9.16	
		$5,010.06
Total expenditures		$5,086.23
Transferred to unappropriated money		913.77
		$6,000.00

Brown-Tail and Gypsy Moth.

Appropriation	$5,000.00	
Received for labor and taxes	1,190.41	
		$6,190.41

EXPENDITURES.

CONTRACT.

Daniel F. Cronin		$4,580.05

INSPECTORS ON PRIVATE AND CONTRACT WORK.

John T. Bryson	$94.62	
James D. Hayes	46.24	
William McQuade	72.37	
Edward R. O'Brien	97.51	
Edwin H. Pierce	58.37	
Edward R Truesdale	74.69	
		$443.80

TAX ABATEMENTS.

George H. Austin	$7.80	
Thomas Bolton	.80	
Augustine Charron	.60	
John E. Cheney	.35	
Ellen E. DeCourcy	1.20	
Charles M. Hecker	.30	
D. S. Kimball	8.39	
Rose A. Kennedy	.53	
Frank W. Leeman	1.38	
F. X. Laflamme	2.18	
Frank Manning	3.50	
W. B. McIlvin	5.58	
J. P. Reardon	7.82	
George Rief	.60	
E. T. Sherburne	3.83	
Sam B. Tarrante	4.26	
C. C. Tinkham	.30	
		$49.42

SUNDRIES.

Boston & Maine Railroad, freight	$4.92	
John B. Clarke Co., advertising and printing	55.43	
E. H. Chadbourne, stamped envelopes	73.06	
Harry T. George, clerical services	20.00	
John T. Hannigan, 100 smudge pots	100.00	
Manchester Union Co., advertising	12.25	
Manchester Traction, Light & Power Co., putting up and taking down smudge pots, etc.	238.56	
Manchester Traction, Light & Power Co., cash paid for liability insurance on labor while taking down smudge pots	8.31	
Standard Oil Co., oil	27.53	
		$540.06
Total expenditures		$5,613.33
Transferred to unappropriated money		577.08
		$6,190.41

Elm Leaf Beetle.

Appropriation	$3,000.00	
Transferred from unappropriated money	203.87	
		$3,203.87

EXPENDITURES.

CONTRACT FOR SPRAYING TREES.

Daniel F. Cronin		$2,606.48

SUNDRIES.

William McQuade, inspector of contract work	$55.44	
E. R. Truesdale, inspector of contract work	66.00	
John B. Varick Co., arsenate of lead	475.95	
		$597.39
Total expenditures		$3,203.87

Cutting and Trimming Trees.

Appropriation	$1,000.00	
Received for labor and material sold	11.29	
Transferred from unappropriated money	548.70	
		$1,559.99

EXPENDITURES.

LABOR.

Division No. 2:		
February	$10.07	
March	5.00	
May	.92	
July	79.63	
August	465.12	
September	275.15	
October	249.07	
November	112.03	
December	203.53	
		$1,400.52
Division No. 10:		
February	$7.62	
March	27.86	
April	9.87	
May	9.61	
August	32.17	
November	4.37	
		$91.50
D. F. Cronin		$41.66

SUNDRIES.

Concord Foundry & Machine Co., castings	$4.87	
Head & Dowst Co., machine work	6.60	
H. A. Piper, filing saws	6.20	
John B. Varick Co., hardware	8.64	
		$26.31
Total expenditures		$1,559.99

Lighting Streets.

Appropriation	$64,500.00

EXPENDITURES.

Manchester Traction, Light & Power Co.:	
January	$5,183.29
February	5,183.29
March	4,620.38
April	5,184.28
May	5,184.28
June	5,184.28
July	5,184.28
August	5,184.28

September	$5,201.39	
October	5,196.01	
November	5,233.17	
December	5,162.52	
	$61,701.45	
Less discount, January	10.12	
		$61,691.33

ARCHES.

Manchester Traction, Light & Power Co.:		
January	$135.45	
February	144.00	
March	102.00	
April	108.30	
May	61.20	
June	61.20	
July	61.20	
August	61.20	
September	61.20	
October	68.70	
November	70.68	
December	74.00	
		$1,009.13
Lamps, brushes, and paint		$42.80
E. Gagne, painting arches		$157.50

SUNDRIES.

John J. Connor, installing lamp	$10.00	
A. L. Gadbois & Co., use of automobiles	44.00	
W. Y. Hadlock & Co., use of automobile	7.50	
Roy and Gadbois, use of automobile	10.00	
John H. Stevens, gasoline	.75	
		$72.25
Total expenditures		$62,973.01
Transferred to unappropriated money		1,526.99
		$64,500.00

Engineer's Department.

Appropriation	$9,900.00

EXPENDITURES.

LABOR.

Samuel J. Lord, general engineer	$1,300.02
Harrie H. Clement	72.00

Harold L. Davis	$65.20	
Alfred T. Dodge	1,014.90	
Glen B. Eastman	187.50	
Harold M. Haskell	965.40	
Edson W. Keith	154.36	
Felix A. Lepage	467.04	
Frank L. McAllister	247.50	
Lawrence A. O'Connor	448.12	
Harold W. Pease	229.50	
Royden E. Reed	46.47	
George W. Wales	1,279.10	
Henry Worthen	850.19	
Horace Wyman	247.00	
Harrie M. Young	926.08	
		$8,500.38

SUPPLIES AND OFFICE EXPENSES.

C. L. Berger & Sons, instruments, etc.	$339.05
John B. Clarke Co., printing	47.33
Julien P. Friez, form sheets for rain gauge	5.25
G. D. Fitts, guides and cards	10.20
Hollis French and Allen Hubbard, plans and specifications for garage	100.24
F. L. Geiger & Co., 6 keys for ledger	7.50
W. P. Goodman, books and stationery	8.94
W. and L. E. Gurley, repairing instruments	16.75
Head & Dowst Co., grade stakes	16.25
H. M. Haskell, carfare	.10
Ideal Stamp Co., 1 stamp	.20
Keuffel & Esser, leveling rod and tape	15.06
B. L. Makepeace, paper	4.00
Manchester Coal & Ice Co., ice	4.28
Manchester Hardware Co., hardware	18.32
Manchester Traction, Light & Power Co., lamp, switch, and repairs	2.75
J. H. Mendell Co., grade stakes	18.00
C. F. McCarthy, painting signs	.60
New England Telephone & Telegraph Co., use of telephone	31.58
Pike & Heald Co., gasoline	.25
E. G. Soltmann, supplies	60.32
E. A. Stratton Co., printing	6.25
Standard Ice Co., ice	7.80
Temple & Farrington Co., binding books	2.55
John B. Varick Co., supplies	162.54
G. W. Wales, carfare	.40

Walker Lithograph & Publishing Co., map of city	$439.72	
West Side Lumber Co., grade stakes, etc.	52.89	
J. Arthur Williams, printing cards	2.00	
H. M. Young, use of automobile, perambulating town lines	17.00	
H. M. Young, cash paid for dinners	1.50	
		$1,399.62
Total expenditures		$9,900.00

Health Department.

Appropriation		$20,000.00

EXPENDITURES.

SERVICES.

Gustave Lafontaine, M. D., salary as member of board February 1, 1911	$200.00	
Gustave Lafontaine, M. D., salary from February 1, 1911, to January 1, 1912	258.33	
W. K. Robbins, salary as member of board, February 1, 1911	200.00	
W. K. Robbins, salary from February 1, 1911, to January 1, 1912	258.33	
William J. Starr, salary as member of board, February 1, 1911	200.00	
John B. Cavanaugh, salary as member of board from February 1, 1911, to January 1, 1912	258.33	
William B. Blake, sanitary inspector	999.98	
Joseph X. Duval, sanitary inspector	786.69	
John F. Looney, sanitary inspector	999.98	
Carl O. Seaman, plumbing and milk inspector	1,100.04	
M. Alma Fracker, clerk	650.00	
		$5,911.68

PRINTING AND STATIONERY.

John B. Clarke Co., printing	$315.20	
George D. Fitts, books and stationery	12.42	
W. P. Goodman, books and stationery	3.80	
L'Avenir National, printing cards and circulars	24.00	
		$355.42

TEAMS AND CARFARES.

W. B. Blake	$29.50	
Joseph X. Duval	23.35	
John F. Looney	20.00	
Carl O. Seaman	32.95	
M. A. Fracker	11.00	
Borden & Connors	4.00	
Boufford, Letendre & Co.	4.00	
J. M. Dery	6.00	
W. J. Freeman	70.00	
J. D. French	87.25	
H. H. Lamoureux	2.00	
Roy & Gadbois	89.00	
E. V. Turcotte Est.	9.00	
Louis Vogel	8.50	
		$396.55

OFFICE EXPENSES AND SUPPLIES.

American Express Co., charges	$14.73
Amoskeag Manufacturing Co., sulphuric acid	2.00
Carter, Rice & Co., gummed paper	10.50
Joseph X. Duval, atomizer bulb	.35
Herbert Dunnington, antitoxin, etc.	758.39
Eimer & Amend, acid pump and chemicals	8.29
M. Alma Fracker, laundry, postage, freight, etc.	29.80
A. L. Franks & Co., electric material and labor	3.85
Granite State Rubber Co., gloves	1.95
James W. Hill Co., netting	1.00
C. A. Hoitt Co., dishes	.80
J. Hodge, pine finish, etc.	5.60
John B. Hall Co., supplies	5.10
International Instrument Co., supplies for laboratory	2.13
International Chemical Co., germ destroyers	34.09
Leblanc & Provencher, antitoxin	4.00
Manchester Hardware Co., shellac and alcohol	7.25
Manchester Traction, Light & Power Co., electric lights, fan motor, etc.	30.99
Maxwell Ice Co., ice	17.49
A. J. McKelvie, 1 brush	.30
New England Telephone & Telegraph Co., use of telephone	93.09
People's Gas Light Co., gas	7.37

Pike & Heald Co., tin	$0.25	
Rapid Mailing Bureau, letters and stock	13.75	
Schieffelin & Co., formaldehyde	83.75	
C. O. Seaman, expenses to Concord and supplies for laboratory	2.84	
Star Stamp Co., 1 badge	1.50	
John B. Varick Co., hardware	85.63	
Walsh & Cummings, antitoxin and supplies	982.79	
		$2,209.58

PEST HOUSE.

Adams Bros., cement	$2.40	
Frank Bascom, sand	3.50	
J. H. DeCourcy Co., coal	14.15	
C. A. & A. W. Flint, wood	6.25	
J. Hodge, lumber	2.01	
Manchester Hardware Co., hardware	6.37	
Manchester Traction, Light & Power Co., electric lights	13.05	
New England Telephone & Telegraph Co., use of telephone	24.67	
Mrs. A. D. Sherer, services as matron	360.00	
Mrs. A. D. Sherer, board of patients	95.40	
A. D. Sherer, labor	294.19	
Pike & Heald Co., pipe	1.66	
John B. Varick Co., coal hods and paper	1.50	
Albert Warren, gravel	4.00	
Water commissioners, use of water	7.24	
Maurice Watson, M. D., vaccinations and visits	740.95	
West Side Lumber Co., lumber	11.59	
John R. Willis & Co., coal and wood	18.80	
		$1,607.73

ISOLATION HOSPITAL.

Barton Co., shirts	$6.00	
E. M. Bryant & Co., electric supplies and labor	4.30	
J. P. Chatel, brandy and whiskey	14.50	
J. M. Dery, wood	30.50	
C. DeMoulpied & Co., chairs and screens	8.50	
J. H. DeCourcy Co., coal	400.85	
H. E. Dunnington, medicine and supplies	55.61	
Dowd Bros., brandy and whiskey	14.50	
C. A. & A. W. Flint, wood	15.00	
Mrs. Selma Flodin, services as matron	300.00	
Mrs. Selma Flodin, board, sundry persons	1,450.58	
C. M. Floyd, bathrobes and shirts	16.00	

L. M. Folsom, towels, crash, robes, etc.....	$102.00	
M. A. Fracker, paid for cleaning stoves and chimneys	1.25	
Granite State Rubber Co., gloves and tubing	8.98	
C. J. and L. C. Greer, plumbing repairs.....	70.24	
James W. Hill Co., sheets, oilcloth, etc.....	6.44	
J. Hodge, lumber.....	7.39	
C. A. Hoitt Co., crockery and shades.....	8.00	
Kerwin & Sheehan, medicine.....	19.24	
F. D. Leighton, repairs.....	8.65	
Lowell Bleachery, remnants.....	37.50	
Manchester Coal & Ice Co., ice.....	39.54	
Manchester Traction, Light & Power Co., electric lights.....	113.31	
Manchester Traction, Light & Power Co., repairing stove.....	.25	
R. E. Marden, repairing stone work.....	4.00	
C. F. McDonald, repairs, basins and faucets..	2.20	
New England Telephone & Telegraph Co., use of telephones.....	72.77	
F. E. Nelson, socks.....	4.20	
M. A. Noury, clocks.....	1.80	
Robie Consolidated Concrete Co., concreting driveway and walks.....	532.93	
C. L. Ruiter, soap.....	2.00	
John H. Stevens, labor on boiler.....	8.09	
A. D. Sherer, labor.....	21.80	
A. G. Straw, M. D., diphtheria examinations	16.50	
John B. Varick Co., hose, lime, soap, etc.....	13.81	
Water commissioners, use of water.....	35.50	
John R. Willis & Co., wood.....	39.50	
		$3,494.23

NURSES AT ISOLATION HOSPITAL.

Katherine M. Crozier.....	$9.00	
Harriet M. Curren.....	21.00	
Mary Church.....	66.00	
Mary T. Durning.....	618.00	
Mary V. Lee.....	102.00	
Annie M. Mitchell.....	24.00	
Katherine V. Martin.....	144.00	
Jennie J. Stevenson.....	951.00	
Mary Varney.....	186.00	
		$2,121.00

SUPPLIES FOR ISOLATED FAMILIES.

Charles Boisclair, wood.....	$1.00
G. A. Campbell, coal and wood.....	3.10

P. J. Charron, groceries	$12.09	
Eugene Dubois, groceries	16.26	
A. Ferland, wood	2.00	
A. H. Gray, groceries	11.83	
Antoine Gagne, groceries	4.95	
Elmer D. Goodwin, ambulance	3.00	
John F. Looney, groceries	2.91	
E. W. Lewis, groceries	6.84	
A. D. Prince, groceries	4.07	
John R. Willis & Co., wood	7.00	
		$75.05

MEDICAL INSPECTORS.

Clarence O. Coburn, M. D.	$280.00	
N. E. Guillet, M. D.	280.00	
William H. Lyons, M. D.	240.00	
M. E. Kean, M. D.	40.00	
John C. O'Connor, M. D.	280.00	
Zatae L. Straw, M. D.	280.00	
E. C. Tremblay, M. D.	280.00	
		$1,680.00

SUNDRIES.

W. B. Blake, milk samples	$0.72	
George Blanchet, insurance premium	45.00	
Joseph X. Duval, milk samples	14.86	
J. F. Looney, milk and ice cream samples	16.19	
Thomas Paris, insurance premium	45.00	
Shea & Borden, funeral outfit	17.00	
		$138.77
Total expenditures		$17,990.01
Transferred to unappropriated money		2,009.99
		$20,000.00

City Library.

Appropriation	$9,000.00

EXPENDITURES.

LIBRARIAN AND ASSISTANTS.

F. Mabel Winchell, librarian	$1,000.00
Sarah C. Aiken	66.00
Ruth Bartlett	396.00
Florence Butterick	224.00
Caroline B. Clement	436.50

Ruth Dudley	$72.00	
Rachel Flint	231.00	
Margaret I. Grant	342.50	
Carlton Hamer	167.08	
Maria F. Kidder	233.00	
Clayton McLean	85.70	
Max McConachie	67.05	
Charles S. Morgan	83.75	
Louise E. Newell	70.00	
Albro P. Reed	82.50	
Clara G. Wilson	213.00	
Una Vincent	345.25	
		$4,115.33

INSURANCE, FUEL, LIGHTS, TELEPHONE, WATER.

Clarence M. Edgerly, insurance premium	$125.00	
Manchester Traction, Light & Power Co., electric lights	393.54	
New England Telephone & Telegraph Co., use of telephone	53.00	
People's Gas Light Co., gas	53.79	
Water commissioners, use of water	13.63	
John R. Willis & Co., coal	504.07	
		$1,143.03

NEW BOOKS, MAGAZINES, AND PAPERS.

The Academy of Political Science	$3.60	
A. L. A. Publishing Co.	3.65	
City News Co.	12.12	
John B. Clarke Co.	5.00	
H. R. Huntting Co.	20.52	
The McMillan Co.	5.00	
Trustees of library	2,000.00	
H. W. Wilson Co.	46.00	
		$2,095.89

SUPPLIES, ETC.

F. A. Burnham, bookcase	$77.00	
John B. Clarke Co., printing labels	28.50	
John B. Clarke Co., printing reports	16.10	
G. D. Fitts, steel typewriter stand and glue	19.73	
Gaylord Bros., binders and rubber bands	13.43	
C. A. Hoitt Co., bookcase and table	10.75	
Gustav Hecker, janitor	720.00	
Manchester Coal & Ice Co., ice	4.17	
Manchester Traction, Light & Power Co., 1 electric fan	13.75	

Temple & Farrington Co., binding and rebinding	$600.25	
John B. Varick Co., supplies	25.92	
Mabel Winchell, catalogue cards	20.00	
J. Arthur Williams, printing	86.23	
White Son Co., bookbinders' supplies	9.60	
		$1,645.43
Total expenditures		$8,999.68
Transferred to unappropriated money		.32
		$9,000.00

Fire Department.

Appropriation	$108,825.00	
Appropriation for two-horses truck	2,200.00	
		$111,025.00

EXPENDITURES.

SERVICES.

Thomas W. Lane, chief engineer	$2,000.00	
George H. Hammond, assistant engineer	68.75	
T. F. Fitzsimmons, assistant engineer	275.00	
Edwin W. Merrill, clerk and assistant engineer	350.00	
Arthur Provost, assistant engineer	275.00	
John F. Seaward, assistant engineer	206.25	
		$3,175.00

TEAMSTERS' AND ENGINEERS' PAY-ROLL.

January	$4,255.66	
February	4,252.41	
March	4,258.18	
April	4,253.91	
May	4,257.41	
June	4,257.43	
July	4,255.66	
August	4,257.41	
September	4,256.43	
October	4,630.66	
November	4,630.16	
December	4,590.23	
		$52,155.55

CALL MEMBERS.

Engine Company No. 1	$1,253.00	
Engine Company No. 2	1,253.00	
Engine & Ladder Company No. 3	2,663.00	
Engine Company No. 4	1,221.33	
Engine & Ladder Company No. 5	2,663.00	
Engine & Ladder Company No. 6	2,663.00	
Engine Company No. 7	1,547.18	
Chemical Engine Company No. 1	364.00	
Combination Company No. 2	1,253.00	
Aerial Truck Company No. 1	1,603.00	
Hose Company No. 1	1,078.00	
Hose Company No. 2	1,078.00	
Hose Company No. 3	1,078.00	
		$19,717.51

OTHER LABOR.

H. R. Bennett	$120.75	
C. H. Burhart	266.00	
W. W. Cupples	24.50	
Lewiell M. Chase	129.50	
James D. Filleul	262.15	
Ephraim Gendron	201.25	
T. L. Kellogg	15.75	
Archie Miller	250.25	
Walter J. MacCauley	171.50	
Percy L. Nute	212.63	
H. A. Seaward	36.17	
Raymond Taylor	80.50	
William Ward	17.50	
		$1,788.45

LAUNDRY.

F. C. Curtis	$11.40	
Mrs. Marie Coulomb	9.41	
Gould & Laraba	6.20	
Marion R. Laird	81.50	
Henry Lang	11.85	
Alice S. Merrill	4.08	
N. H. Towel Supply Co.	39.00	
New Method Steam Laundry	3.85	
Oneeda Laundry	122.35	
Mrs. C. D. Stevens	8.75	
Mrs. H. L. Tebbetts	10.35	
		$308.74

FURNITURE AND BEDDING.

C. DeMoulpied & Co.	$64.05	
James W. Hill Co.	55.03	
Chas. A. Hoitt Co.	61.32	
		$180.40

PRINTING AND STATIONERY.

John B. Clarke Co., printing	$100.25	
John B. Clarke Co., printing reports	47.74	
G. D. Fitts, stationery	7.30	
W. P. Goodman, stationery	20.05	
Temple & Farrington Co., stationery	17.27	
		$192.61

FUEL, LIGHTS, TELEPHONE, WATER.

L. B. Bodwell, wood and coal	$232.40	
C. A. and A. W. Flint, wood	54.00	
Manchester Traction, Light & Power Co., electric lights	351.41	
Maxwell Ice Co., wood	8.00	
Moore & Preston Coal Co., coal	539.27	
New England Telephone & Telegraph Co., use of telephone	69.00	
People's Gas Light Co., gas	597.85	
Water commissioners, use of water	322.58	
John R. Willis & Co., coal	1,713.71	
		$3,888.22

SUPPLIES.

C. W. Abbott, harness hanger and spring	$20.00
American LaFrance Fire Engine Co., 1 combination chemical engine and service hook-and-ladder truck	2,250.00
Amoskeag Manufacturing Co., castings	34.67
Bank & Office Equipment Co., filing case	15.00
Boston Badge Co., badges	16.00
C. G. Braxmar Co., badges	9.00
Mrs. Viola S. Bean, 1 shut-off nozzle	7.50
F. S. Bean Relief Valve Co., packing	1.00
Cornelius Callahan Co., supplies	928.26
Paul A. Claus, spark plugs	5.00
Cornplanters Refining Co., oil	4.16
Farrell Bros., shade and tubes	.86
Frank E. Fitts Mfg. & Supply Co., waste	37.30
Fisk Rubber Co., retreading cases	63.00
Granite State Rubber Co., packing	2.74

L. M. George, chain	$2.75	
A. Gustafson, bags	1.05	
A. W. Harris Oil Co., valve oil	8.05	
Max Hawkins & Co., oil	.80	
J. Hodge, lumber	11.99	
Frank J. Jameson, dusters	9.00	
Knox Automobile Co., supplies	23.49	
O. F. Kress & Son, 6 extinguisher bottles	3.35	
Lemay Bros., clocks	3.00	
F. T. Lord Polish Co., polish	60.00	
Manchester Independent Oil Co., kerosene and gasoline	33.42	
Manchester Hardware Co., hose, etc.	3.90	
Manchester Traction, Light & Power Co., lamps and electric fan	49.75	
New Departure Manufacturing Co., 1 fire bell	20.70	
Parnell Bros., soap	76.70	
Pneumatic Aerial Appliance Co., 1 device, compressor and electric motor, less pipe and labor installing motor	2,560.84	
Pike & Heald Co., pipe, etc.	10.57	
Stark Mills, bags	.70	
Savage-Wetmore Co., vulcanizer, etc.	15.60	
A. D. Scovell, overalls	92.00	
Stuart-Howland Co., telephone arms	6.00	
C. D. Steele & Co., oil	.90	
John H. Stevens, pipe and labor installing motor	39.16	
Talbot Dyewood & Chemical Co., oil vitriol	16.46	
The Texas Co., gasoline	54.50	
John B. Varick Co., hardware	723.44	
John B. Varick Co., 3,150 feet 2½-inch hose	2,400.00	
A. A. Warren, oil	10.80	
West Side Lumber Co., lumber and sawdust	11.09	
Western Electric Co., wire and lamps	92.47	
Winchester Tar Disinfectant Co., disinfectant	32.00	
		$9,768.77

REPAIRS, ETC.

E. E. Austin, labor and material	$4.00	
Cyrus Dean, repairing clocks	2.25	
A. L. Franks & Co., electric material and labor	61.92	
J. Hodge, lumber and labor	6.14	
Ideal Stamp Co., plating brass and screws	5.00	
H. J. Lawson, material and labor	17.35	

J. W. Lindsey, repairing tank	$7.62	
Manchester Machine Works, repairs	29.85	
John Muir, lumber, wagon shed	30.00	
People's Gas Light Co., cleaning pipe	1.45	
Pike & Heald Co., pipe and labor	1.73	
Edward Sargent, inflating tires, etc	12.85	
Stuart-Howland Co., cord	1.45	
John H. Stevens, material and labor	36.39	
S. Sandberg, filing saws, etc	6.50	
C. A. Trefethen, repairing clock	1.50	
		$226.00

HORSES, VETERINARY SERVICES AND MEDICINE.

F. T. Arbuckle, V. S., services and medicine	$180.45	
Cavanaugh Bros., horses	2,375.12	
E. E. Castor, supplies	2.65	
F. J. Clark, V. S., services and medicine	85.00	
Dyer & Chipman, medicine and supplies	29.18	
L. G. Gilman, nitre and liniment	2.57	
J. J. Holland, medicine, etc	58.80	
Robert J. Macquire, V. S., services	10.00	
J. A. Marshall, medicine	1.40	
Standard Ice Co., 1 horse	335.00	
A. D. Smith, medicine	4.80	
		$3,084.97

ENGINE REPAIRS.

American Locomotive Co	$11.75	
S. P. Dodge Co	16.75	
H. J. Lawson	27.23	
Manchester Machine Works	555.35	
J. B. McCrillis & Son	1,355.25	
New Method Vulcanizing Co	99.65	
Sanborn Carriage Co	100.15	
		$2,166.13

BLACKSMITHING.

Connor & Grossman	$88.25	
H. J. Dexter	118.00	
Edward Dupont	193.75	
J. D. French	65.85	
J. F. McDonald & Co	550.75	
McDonald Brothers	356.25	
John Stack	79.00	
Samuel Sandberg	2.40	
Gustav Seiffert & Co	89.20	
J. O. and L. P. Tremblay	209.50	
G. F. Wenzel	36.07	
		$1,789.02

HAY, GRAIN, ETC.

Adams Brothers	$402.20	
Arthur S. Brown	3,187.19	
C. P. Connor	22.00	
William Clark	166.35	
F. H. Masse & Co.	3,683.67	
C. M. McCormack	318.83	
Partridge Brothers	42.25	
H. C. Whedon	469.33	
		$8,291.82

HARNESS SUPPLIES AND REPAIRS.

C. E. Berry	$55.75	
Frank Casavant	14.70	
W. L. Comire	9.40	
Ranno Saddlery Co.	177.75	
J. Vogel & Co.	98.20	
N. J. Whalen	70.25	
		$426.05

SUNDRIES.

C. B. Clarkson, weighing coal	$43.75	
A. L. Gadbois & Co., taxicab service	5.00	
F. H. Harvey, expenses to Springfield	17.83	
Hadlock's Garage, use of automobile	12.50	
W. Y. Hadlock, use of automobiles	35.00	
E. H. Holmes, freight and cartage	36.72	
W. H. S. Jones, band for parade	62.50	
T. W. Lane, paid for express, postage, etc.	26.90	
W. H. Morgan, expenses of Chief Lane and self to Canton Junction, Mass.	4.75	
A. W. Phinney, expenses fire department committee to Lowell	8.58	
A. W. Phinney, expenses fire department to Lawrence, Beverly, and Boston	22.50	
Queen City Drum Corps, services	11.00	
F. M. Ray, burying dead horses	5.00	
		$292.03
Total expenditures		$107,451.27
Transferred to unappropriated money		3,573.73
		$111,025.00

Fire-Alarm Telegraph.

Appropriation	$6,600.00

EXPENDITURES.

LABOR.

January	$170.00	
February	170.00	
March	170.00	
April	170.00	
May	170.00	
June	170.00	
July	170.00	
August	170.00	
September	170.00	
October	170.00	
November	170.00	
December	170.00	
		$2,040.00
Percy L. Nute		$220.50
Lewiell M. Chase		$33.25

SUPPLIES, ETC.

E. M. Bryant & Co., staples	$0.80	
George B. Cressey, paint and labor	43.72	
Joel S. Daniels, lettering signs	1.40	
Farrell Brothers, 1 push button	.15	
Gamewell Fire-Alarm Telegraph Co., fire-alarm boxes and supplies	1,381.31	
F. S. Hardy & Co., batteries, bolts, washers, etc.	102.10	
J. Hodge, lumber and labor	449.51	
H. J. Lawson, making roof flange	4.78	
Manchester Traction, Light & Power Co., electricity	68.02	
MacDonald Bros., repairs	4.50	
J. B. McCrillis & Son, material and labor	62.05	
H. A. Piper, filing saw	.25	
Ranno Saddlery Co., reins	4.50	
Star Stamp Co., ink	.30	
John H. Stevens, material and labor	60.39	
S. A. Stewart & Co., 2 switches	40.00	
Stuart-Howland Co., batteries	6.83	
John B. Varick Co., hardware	96.21	
Western Electric Co., wire and supplies	659.05	
		$2,985.87

SUNDRIES.

E. H. Holmes, freight and cartage	$12.78	
New England Telephone & Telegraph Co., use of telephone	29.75	
		$42.53
Total expenditures		$5,322.15
Transferred to unappropriated money		1,277.85
		$6,600.00

Hydrant Service.

Appropriation	$22,450.00

EXPENDITURES.

Water commissioners, hydrant rentals	$22,450.00

Police Department.—Commission.

Appropriation	$68,660.00

EXPENDITURES.

SERVICES.

Michael J. Healy, chief of police	$3,000.00	
John F. Cassidy, deputy chief	1,800.00	
John F. Griffin, clerk	1,170.75	
Edward B. Woodbury, chairman of commission, salary	150.00	
Peter A. Farrell, commissioner	100.00	
Thomas R. Varick, commissioner	100.00	
A. Bennette Brown, police matron	425.00	
Regular and special police	56,221.50	
		$62,967.25

FEEDING PRISONERS.

E. R. Laflamme	$24.40	
National Biscuit Co.	55.17	
Syndicate Cafe	103.09	
		$183.26

PRINTING AND STATIONERY.

John B. Clarke Co., printing	$31.30	
G. D. Fitts, 1 file	.45	
W. P. Goodman, stationery and diaries	83.26	
Temple & Farrington Co., 1 Session Law	2.75	
		$117.76

PATROL SYSTEM EXPENSES.

Adams Brothers, hay, straw, and grain	$161.56
Ame & Co., "Standard Food"	6.50
Samuel Adams, labor on wires	32.50
Automatic Appliance Co., supplies	45.14
E. M. Bryant & Co., fuse plugs and cord	.79
Boston & Maine Railroad, freight	11.80
Arthur S. Brown, hay and grain	390.23
B. A. Bloomey, oil	2.00
Brodie Electric & Automobile Co., insulators and use of automobile	22.80
George H. Buckminster Co., wire and batteries	46.18
Cast Iron Brazing & Manufacturing Co., brazing motor-cycle parts	1.50
Columbia Refining Co., "Amberzo"	15.47
Cornplanter Refining Co., gasoline, etc.	4.64
Jerry Connor, labor on wires	59.00
James Clifford, labor on wires	4.00
Frank B. Cook, fuses, etc.	19.38
Robert Costello, labor on wires	41.25
N. Daigle, oil and soap	1.10
Joel S. Daniels, varnish	1.55
S. P. Dodge Co., repairs	9.45
H. B. Dunton, V. S., services and medicine	43.50
Dyer & Chipman, liniment	1.25
Fahnestock Electric Co., supplies	17.85
Arthur L. Franks & Co., electric supplies and labor	51.14
W. J. Freeman, horse hire and use of wagon	15.50
Granite State Rubber Co., washers and tubing	2.60
Abraham Green, rent of shed	60.00
James Harlan, labor on wires	50.00
John B. Hall Co., supplies	17.35
Hallett Iron Works, supplies	30.00
F. D. Harper, batteries	36.00
Hendee Manufacturing Co., motor-cycle supplies	315.19
John D. Healy, castings	1.80

J. J. Holland, medicine	$35.10	
J. Hodge, lumber	1.34	
C. A. Hoitt Co., 1 stool	.65	
Martin Joyce, labor on wires	95.00	
Charles Kean, labor on wires	66.25	
H. J. Lawson, copper, etc., and labor	8.15	
Manchester Independent Oil Co., gasoline	62.14	
Manchester Rubber Tire Equipment Co., tires, setting and repairing tires	26.00	
Manchester Traction, Light & Power Co., lamps	2.60	
Maxwell Ice Co., ice	8.00	
Mitchell Manufacturing Co., badges	3.75	
Thomas Mooney, labor on wires	22.50	
New Method Vulcanizing Co., vulcanizing	2.47	
Neostyle Co., paper and ink	71.04	
Orient Spray Co., 1 atomizer	1.25	
Thomas O'Gara, labor on wires	50.00	
Joseph A. Parr, plaster, cotton, etc	2.05	
Charles E. Perry Co., register paper	60.69	
Sanborn Carriage Co., repairs	3.75	
Albert Stegmann, 1 grinder	5.50	
J. O. and L. P. Tremblay, horseshoeing	117.75	
United Electric and Apparatus Co., supplies	152.11	
Western Electric Co., supplies	152.86	
Western Electric Apparatus Co., reconstructing signal	19.45	
N. J. Whalen, harness and repairs	30.50	
		$2,519.92

HARDWARE AND REPAIRS.

Henry Goudreault, repairing tools	$1.70	
Peter Harris & Son, repairing locks and handcuffs	1.45	
Head & Dowst Co., labor	2.24	
J. Hodge, lumber	2.73	
G. E. Marston, material and labor	2.04	
Manchester Hardware Co., hardware	1.56	
Manchester Plating Co., polishing motorcycle part	.35	
Pike & Heald Co., pipe, etc	1.98	
C. W. Powell, pine and labor	4.78	
Sanborn Carriage Co., repairs	50.90	
John H. Stevens, soldering tanks	.60	
John B. Varick Co., hardware	238.61	
		$308.94

TELEPHONE AND TELEGRAPH.

New England Telephone & Telegraph Co., use of telephones	$181.57	
Western Union Telegraph Co., telegrams	10.94	
Western Union Telegraph Co., clock rental	9.00	
		$201.51

SUNDRIES.

E. H. Holmes, cartage	$4.00	
W. Y. Hadlock, use of automobiles	50.00	
Nellie Heaney, care of lost children	25.00	
N. H. Towel Supply Co., laundry work	8.37	
Edgar S. Leslie, photographing criminals	48.00	
James Ried, cartage	6.00	
Louis Vogel, team hire	4.00	
Worrell Manufacturing Co., insect exterminator	20.00	
		$165.37
Total expenditures		$66,464.01
Transferred to unappropriated money		2,195.99
		$68,660.00

Police Department.—Station.

Appropriation	$3,000.00

EXPENDITURES.

SERVICES.

Frank P. Wiggin, janitor		$821.25

FUEL, LIGHTS, WATER.

C. B. Clarkson, weighing coal	$13.75	
W. E. Dunbar & Sons, wood	16.25	
Manchester Traction, Light & Power Co., electric lights	323.43	
Maxwell Ice Co., wood	4.00	
Moore & Preston Coal Co., coal	38.91	
People's Gas Light Co., gas	66.66	
D. M. Poore Coal Co., wood	15.30	
Water commissioners, use of water	295.21	
John R. Willis & Co., coal	833.64	
		$1,607.15

LAUNDRY, ETC.

Hanover-Street Laundry, laundry work.....	$2.66	
James W. Hill Co., oilcloth.....	.80	
J. J. Holland, salts, disinfectants.....	15.80	
N. H. Towel Supply Co., laundry.....	18.81	
Mrs. J. F. Wiggin, laundry work.....	18.66	
		$56.73

REPAIRS, ETC.

J. J. Abbott, glass and setting.....	$1.75	
E. R. and W. P. Coburn, glass and cutting...	6.75	
Peter Harris & Son, repairs.....	1.00	
Head & Dowst Co., lumber and labor.....	2.90	
C. A. Hoitt Co., oilcloth.....	1.10	
Manchester Traction, Light & Power Co., lamps	3.84	
J. J. Moreau & Son, 1 grate and labor.....	1.75	
Edward Sargent, making keys.....	.90	
Western Electric Co., lamps.....	52.18	
Western Union Telegraph Co., clock rental..	3.00	
		$75.17
Total expenditures.....		$2,560.30
Transferred to unappropriated money.....		439.70
		$3,000.00

Police Department.—Court.

Appropriation		$3,200.00

EXPENDITURES.

SERVICES.

Harry E. Loveren, police justice.....	$1,500.00	
Frank C. Livingston, associate justice.....	300.00	
John C. Bickford, clerk.....	600.00	
		$2,400.00

SUNDRIES.

John B. Clarke Co., printing and binding....	$4.25	
M. J. Healy, paid witness fees.....	343.59	
New England Telephone & Telegraph Co., use of telephone.....	53.00	
E. A. Stratton Co., printing dockets.....	97.15	

Temple & Farrington Co., stationery.....	$1.00	
J. A. Williams, printing.....	21.60	
		$520.59
Total expenditures.....		$2,920.59
Transferred to unappropriated money.....		279.41
		$3,200.00

Repairs of Buildings.

Appropriation	$10,050.00

EXPENDITURES.

CITY LIBRARY.

The Barton Company, awnings.....	$37.50	
R. J. Barry, labor.....	5.51	
E. M. Bryant & Co., electric supplies and labor	230.22	
Thomas Carr, labor as steamfitter.....	.69	
Charles Connor, labor.....	3.45	
J. Connor, labor.....	1.25	
A. L. Franks & Co., labor on lights.....	.55	
J. E. Griffin, steam fitting.....	1.03	
G. B. Little, labor.....	1.70	
M. McLaughlin, labor.....	12.50	
Martin McHugh, mason work.....	23.00	
J. H. Mendell Co., cement, lime, sand.....	10.60	
Leo Norbert Sign Co., 1 sign.....	6.30	
Harry A. Piper, getting off snow.....	3.00	
John H. Stevens, steam boiler and labor....	481.88	
Thomas Smith, labor.....	.69	
John Pronk, labor.....	1.13	
Robie Concrete Co., concrete.....	2.08	
J. Thornton, labor.....	7.41	
		$830.49

POLICE STATION.

The Barton Company, shades.....	$25.72
R. J. Barry, labor.....	1.76
F. J. Brendle, carpenter work.....	1.50
Boston & Maine Railroad, freight.....	4.50
Elzear Bilodeau, mason work.....	164.25
Charles Connor, steamfitting.....	9.31
Thomas Carr, labor.....	2.06
Derryfield Co., molding, etc.....	10.38
Edward Dunbar, material and labor.....	12.58

Farrell Bros., electric supplies and labor....	$75.93	
J. E. Griffin, labor.....	5.87	
G. B. Little, carpenter work.....	4.55	
Manchester Building Co., labor.....	.40	
Manseau & Grimard, labor on sink, etc.....	3.25	
J. J. Moreau & Son, material and labor..	20.58	
M. McHugh, mason work.....	5.00	
M. McLaughlin, labor.....	2.50	
C. O. Polson, painting walls and ceilings....	242.20	
John Pronk, carpenter work.....	7.13	
A. Royal, mason work.....	3.00	
Thomas Smith, carpenter work.....	5.87	
Smith & Thayer Co., radiator shields.....	51.11	
John H. Stevens, steamfitting repairs.....	23.79	
J. Thornton, labor.....	14.33	
Frank Wheeler, labor.....	1.69	
L. B. Wilson, steel ceilings.....	238.75	
		$938.01

ENGINE HOUSES.

American Locomotive Co., castings.....	$2.60	
Amoskeag Manufacturing Co., castings.....	4.30	
R. J. Barry, plumbing and steamfitting repairs	470.14	
J. Warren Batchelder, material and labor..	4.81	
E. Bilodeau, mason work.....	19.70	
F. J. Brendle, carpenter work.....	15.38	
Thomas J. Briggs, material and labor.....	45.95	
A. S. Brown, cement.....	5.00	
E. M. Bryant & Co., electric supplies and labor	98.45	
Thomas Carr, steamfitting.....	30.60	
John H. Clay, 6 springs.....	63.00	
Patrick Conmee, labor.....	4.00	
W. G. Colcord, lumber, etc., and labor.....	79.40	
Connor Brothers, repairing water pipe.....	3.60	
John Conner, labor.....	4.00	
Charles Conner, labor.....	15.57	
Joel S. Daniels, setting glass.....	3.35	
G. V. Demers, paint and labor.....	175.00	
Edward Dunbar, material and labor.....	32.11	
Derryfield Co., lumber.....	134.78	
Derryfield Lumber Co., lumber.....	17.50	
A. L. Franks & Co., electric supplies and labor	286.15	
C. J. and L. C. Greer, plumbing.....	7.77	
Alphonse Grenier, builders' material and labor	1,087.14	

F. W. Griffin & Co., steamfitting, etc.....	$204.85	
J. E. Griffin, steamfitter, labor.....	75.85	
John Hanneman, paint and putting up doors	4.70	
Home Supply Co., shades, fitted and hung..	50.93	
Head & Dowst Co., lumber and labor.....	78.51	
J. Hodge, lumber.....	22.96	
H. J. Hunt, labor.....	2.82	
Lacerte & Pineault, paint and labor.....	7.65	
F. X. Laflamme, lumber and labor.....	91.33	
H. J. Lawson, skylight covering and labor..	15.00	
G. B. Little, carpenter work.....	53.99	
J. W. Lindsay, iron and labor.....	24.14	
Manchester Building Co., lumber and labor..	32.66	
Manchester Independent Oil Co., 1 tank and rotary pump.....	55.00	
Manchester Machine Works, labor.....	1.25	
Manchester Supply Co., pipe, etc.....	5.33	
Soucy E. Martel, paint, paper, and hanging same	317.24	
Manseau & Grimard, material and labor.....	3.50	
J. H. Mendell Co., material and labor.....	466.38	
J. J. Moreau & Son, material and labor.....	81.79	
John Muir, lumber and labor.....	85.59	
C. F. McDonald, installing rain-water conductor	36.49	
Martin McHugh, mason work.....	8.50	
M. McLaughlin, labor.....	4.25	
F. L. Noyes, repairing roofs.....	8.20	
Pike & Heald Co., iron brackets, labor.....	3.28	
John Pronk, carpenter work.....	66.19	
Richardson & Boynton Co., steam boiler....	150.00	
Edward Sargent, keys and repairs.....	2.20	
R. O. Schmidt, material and carpenter work	132.79	
John H. Stevens, steamfitting, etc.....	56.61	
Thomas Smith, labor and material.....	97.11	
J. Thornton, labor.....	31.89	
John B. Varick Co., hinges, glass, springs...	5.95	
West Side Lumber Co., lumber.....	27.60	
G. F. Wenzel, 6 rods.....	1.50	
C. L. Wolf, steamfitting repairs.....	256.37	
		$5,180.70

CITY HALL.

J. J. Abbott, paint and labor.....	$174.18	
American Mason Safety Tread Co., 36 feet sanitary base.....	16.20	
R. J. Barry, labor.....	15.03	
E. Bilodeau, mason work.....	12.80	

F. J. Brendle, labor	$1.13	
Chamberlain Metal Weather Strip Co., weather stripping 9 windows	29.56	
Connor Bros., plumbing repairs	5.00	
Charles Conner, labor	10.70	
J. Conner, labor	.50	
Thomas Carr, labor	9.97	
Derryfield Co., glass	1.25	
W. E. Downs, lettering 3 doors	4.75	
Edward Dunbar, material and labor	72.01	
Farrell Brothers, electric supplies and labor	171.22	
F. X. Gagne, carpenter work	61.32	
J. E. Griffin, steamfitting	6.20	
Peter Harris & Son, repairs	1.10	
J. Hodge, moulding	.30	
G. B. Little, labor	1.12	
Manchester Building Co., labor	13.50	
John Muir, lumber	2.15	
M. McHugh, mason work	8.00	
M. McLaughlin, labor	4.00	
C. F. McDonald, plumbing and steamfitting repairs	5.60	
Pike & Heald Co., closet seat	4.36	
Poole Manufacturing Co., tube cleaners	24.00	
C. O. Polson, painting and paper-hanging	228.37	
H. A. Piper, material and carpenter work	19.69	
J. Pronk, labor	4.87	
T. Raiche, plumbing repairs	30.23	
J. A. Rogers, carpenter work	577.64	
Edward Sargent, machine work	1.50	
Thomas Smith, labor and material	25.03	
John H. Stevens, plumbing repairs, etc.	19.99	
J. Thornton, labor	3.94	
John B. Varick Co., transom lifter and chain	2.05	
		$1,569.26

COURT HOUSE.

R. J. Barry, labor	$6.50	
Thomas Carr, labor	2.06	
Charles Conner, labor	1.03	
J. Conner, labor	.75	
J. E. Griffin, steamfitting	5.50	
C. A. Hoitt Co., linoleum	8.00	
C. F. McDonald, plumbing material and repairs	56.30	
F. L. Noyes, repairing roof	8.45	
John H. Stevens, damper regulator, etc.	5.60	
John Pronk, carpenter work	7.50	
		$101.69

CITY SCALES.

Amoskeag Manufacturing Co., testing scales	$0.80	
Charles Conner, labor	2.10	
J. E. Griffin, labor	3.15	
Thomas Smith, labor	2.45	
		$8.50

BATTERY BUILDING.

F. J. Brendle, carpenter work	$6.37	
T. J. Briggs, material and labor	16.70	
Thomas Carr, labor	10.31	
Chamberlain Metal Weather Strip Co., material and labor	31.60	
J. Conner, labor	1.00	
Charles Conner, labor	11.39	
Derryfield Co., lumber	20.07	
Farrell Bros., lamps	.96	
J. E. Griffin, steamfitting	28.62	
G. B. Little, carpenter work	19.10	
Manchester Supply Co., cement	4.50	
J. H. Mendell Co., lumber	4.80	
M. McHugh, mason work	11.00	
M. McLaughlin, labor	.50	
F. L. Noyes, repairing roof	2.00	
J. Pronk, carpenter work	5.26	
E. H. Sargent, fitting keys	.30	
John H. Stevens, plumbing	20.88	
John Thornton, labor	13.11	
John B. Varick Co., hardware	8.20	
Thomas Smith, carpenter work	7.92	
Richardson & Boynton Co., steam boiler	245.00	
		$469.59

BATH HOUSE.

R. J. Barry, labor	$1.76	
Frank Brendle, labor and hardware	78.29	
Charles Conner, labor	4.18	
J. E. Griffin, labor	4.18	
Head & Dowst Co., posts and rope	1.90	
G. B. Little, labor	3.46	
J. Pronk, labor	1.50	
Gustav Seiffert & Co., bolt and ring	.50	
Thomas Smith, labor	1.38	
West Side Lumber Co., lumber	26.07	
		$123.22

SUNDRIES.

American Locomotive Co., 68 grates	$112.60	
Amoskeag Automobile Co., use of automobile	8.50	
D. G. Andrews, labor	3.00	
R. J. Barry, inspecting and cleaning boilers	6.00	
T. J. Briggs, labor and material	5.10	
Boston & Maine Railroad, freight	18.75	
W. G. Colcord, material and labor	23.50	
Connor Bros., plumbing repairs	54.51	
A. L. Gadbois & Co., use of hacks	20.00	
W. D. Hebert, care of city clocks	50.00	
F. W. Hoffman, keys and repairs	5.95	
E. H. Holmes, trucking	42.00	
Lemay Bros., repairing clocks	67.80	
H. I. Lemay, repairing clocks	30.00	
A. W. Phinney, expenses committee to Lawrence to inspect public comfort	12.69	
Victor Roy, express on tube cleaners	1.65	
Roy & Gadbois, use of automobile	10.00	
L. and W. T. Seiberlich, locks, glass, etc.	4.43	
Thomas Smith, labor	30.94	
John B. Varick Co., hardware, sundry buildings	307.42	
		$814.84
Total expenditures		$10,036.30
Transferred to unappropriated money		13.70
		$10,050.00

New Schoolhouses.

Appropriation from sale of bonds	$101,070.50

EXPENDITURES.

BROWN SCHOOLHOUSE.

LAND.

John J. McGovern, 20,000 sq. ft.	$3,300.00	
Obelin Potvin, 10,299 sq. ft.	2,000.00	
Edmond Pinard, 8,951 sq. ft.	2,000.00	
		$7,300.00

ARCHITECT.

C. R. Whitcher, plans and specifications	$1,045.49

CONTRACT.

J. H. Mendell Co., building, on account.....	$23,343.00	
T. Raiche, plumbing, on account.....	665.41	
		$24,008.41

SUNDRIES.

John B. Clarke Co., advertising plans.....	$4.22	
Union Publishing Co., advertising.....	1.47	
		$5.69

MAYNARD SCHOOLHOUSE.

LAND.

L. B. Bodwell.....	$7,500.00

ARCHITECT.

C. R. Whitcher, plans and specifications.....	$1,003.26

CONTRACT.

J. H. Mendell Co., building, on account.....	$22.289.00	
T. Raiche, plumbing, on account.....	665.41	
		$22,954.41

SUNDRIES.

John B. Clarke Co., advertising plans.....	$4.23	
Union Publishing Co., advertising.....	4.88	
		$9.11
Total expenditures.....		$63,826.37
Transferred to new account.....		37,244.13
		$101,070.50

Subway Comfort, Merrimack Square.

Appropriation	$10,000.00	
Appropriation by resolution October 9.....	2,500.00	
		$12,500.00

EXPENDITURES.

LABOR.

November		$10.80
A. Blanchette	$22.50	
G. B. Little.....	5.22	
Wilson Platts.....	6.40	
J. Pronk.....	8.74	
Thomas Smith.....	4.20	
		$47.06

SUNDRIES.

The Fenton-Charnley Building Co., contract for building, on account	$5,216.80	
Manchester Building Co., setting up and running engine	10.00	
		$5,226.80
Total expenditures		$5,284.66
Transferred to new account		7,215.34
		$12,500.00

Hose House, Goffe's Falls.

Appropriation		$1,000.00

EXPENDITURES.

F. X. Gagne, contract for building	$945.00	
F. X. Gagne, 12 cement posts	24.00	
Maurice Quinlan, grading	14.60	
Total expenditures		$983.60
Transferred to unappropriated money		16.40
		$1,000.00

City Library Addition.

Appropriation		$5,000.00

EXPENDITURES.

Transferred to unappropriated money		$5,000.00

Water-Works.

Balance from last year unexpended	$81,864.94	
Cash received for water rents	170,713.21	
		$252,578.15

EXPENDITURES.

LABOR.

January	$2,693.04
February	2,582.60
March	2,260.91

April	$2,661.15	
May	4,345.99	
June	3,866.16	
July	3,746.80	
August	4,808.24	
September	4,109.50	
October	4,056.49	
November	4,962.80	
December	3,764.73	
		$43,858.41

SUPERINTENDENT.

Charles K. Walker, salary		$2,400.00

WATER COMMISSIONERS.

William Corey, 17 meetings of board	$85.00	
Perry H. Dow, 20 meetings of board	100.00	
Charles M. Floyd, 16 meetings of board	80.00	
Edgar J. Knowlton, 24 meetings of board	120.00	
Edgar J. Knowlton, clerk of board for Dec.	8.33	
C. H. Manning, 33 meetings of board	165.00	
Robert E. McKean, 17 meetings of board	85.00	
		$643.33

PRINTING, ADVERTISING, AND STATIONERY.

John B. Clarke Co., printing bills, etc.	$93.75	
John B. Clarke Co., department reports	36.55	
John B. Clarke Co., binding books	2.75	
John B. Clarke Co., advertising	6.25	
W. P. Goodman, stationery	25.20	
Manchester Union Co., advertising	4.75	
E. A. Stratton Co., printing notices	20.25	
Union Publishing Co., advertising	1.50	
		$191.00

FUEL, TEAMS, TELEPHONE.

Fletcher Brown, wood	$3.75	
Lester W. Brooks, teams	7.00	
L. B. Bodwell & Co., coal	365.50	
Bader Coal Co., coal	167.05	
Fitz-Dillingham Co., use of automobile	6.25	
W. A. Jepson, coal	879.78	
Moore & Preston Coal Co., coke	9.75	
Manchester Auto Garage, use of automobiles	41.00	
New England Telephone & Telegraph Co., use of telephone	48.45	
Willis Totten, wood	65.00	
Louis Vogel, use of teams	179.50	
		$1,773.03

BLACKSMITHING, FREIGHT, HARDWARE.

C. H. Allyson, blacksmithing	$1,176.15	
Boston & Maine Railroad, freight	2,480.66	
Manchester Hardware Co., hardware and tools	59.50	
John B. Varick Co., hardware and tools	1,467.39	
		$5,183.70

SUPPLIES.

J. J. Abbott, gasoline, glass, etc.	$4.55
Adams Bros., cement, etc.	58.25
American Locomotive Co., castings	337.08
Amoskeag Manufacturing Co., supplies	5,776.79
American Steam Gauge & Valve Mfg. Co., springs for valve	1.11
Harold L. Bond Co., 1 ladle	2.92
Builders Iron Foundry, supplies	284.11
Chadwick-Boston Lead Co., pipe	83.52
Chapman Valve Manufacturing Co., valve and gate	359.35
Darling Pump & Manufacturing Co., 6 gates	66.00
C. DeMoulpied & Co., chairs and lineoleum	20.05
Edson Manufacturing Co., supplies	27.09
Granite State Rubber Co., gloves, boots, packing	34.69
General Electric Co., panels for induction motor	161.42
Hart Packing Co., packing and valves	66.73
H. M. Haskell, revising city map	16.00
Hays Manufacturing Co., supplies	1,075.64
Head & Dowst Co., lumber	31.55
Hubbard Sash and Blind Factory, 500 plugs	10.00
Howard & Morse, wire cloth screens	220.11
Ingersoll-Sergeant Drill Co., supplies	233.89
Ingersoll-Rand Co., supplies	10.35
H. W. Johns-Manville Co., hair felt	234.01
Keystone Lubricating Co., grease	43.95
F. D. Leighton, lead, etc.	36.66
Lead Lined Iron Pipe Co., pipe	2,018.06
Ludlow Valve Manufacturing Co., gates and valves	1,422.60
Locke Regulator Co., erecting damper regulator	23.18
Manchester Tea Co., soap	1.32
Manchester Traction, Light & Power Co., electricity	5,549.62
J. H. Mendell Co., lumber and brick	31.58

A. J. McKelvie, pails, etc.	$23.57	
Monarch Valve Manufacturing Co., screw and yoke	100.80	
National Meter Co., meters	1,449.70	
Neptune Meter Co., meters and couplings	430.00	
Norwood Engineering Co., hydrants and heads	1,202.50	
F. F. Osgood, packing and washers	2.75	
H. W. Parker, cement	36.60	
F. L. Peaslee, fertilizer	14.50	
Perry Oil Co., oil	129.04	
Pike & Heald Co., pipe, etc.	79.09	
Pittsburg Meter Co., meters	618.97	
Power Equipment Co., electric motor pump	2,724.50	
Rensselaer Valve Co., valves and gates	575.80	
Rensselaer Manufacturing Co., iron valves	66.00	
Richards & Co., lead	1,841.92	
Rodefield Manufacturing Co., cutter wheels	1.80	
Smith Box & Lumber Co., boxes	117.00	
A. P. Smith Manufacturing Co., valves and sleeves	269.90	
Snow Steam Pump Works, supplies	141.15	
Standard Cast Iron Pipe and Foundry Co., pipe	12,762.70	
C. D. Steele & Co., soap and brooms	7.25	
John H. Stevens, pipe	101.51	
Tillotson Humidefier Co., 1 steam trap	26.88	
Thomson Meter Co., meters	710.70	
Tragle Cordage Co., packing	82.40	
Union Grocery Co., gasoline	24.80	
Union Water Meter Co., supplies	325.50	
U. S. Cast Iron Pipe and Foundry Co., pipe	19,039.06	
Vacuum Oil Co., engine oil	14.25	
Water-Works Equipment Co., jointers	16.20	
D. H. Webster, pine tops	28.00	
West Side Lumber Co., lumber	40.81	
George E. Winslow, recording dials and apparatus	162.20	
R. D. Wood & Co., pipe	1,605.43	
H. R. Worthington, meters and valves	101.60	
		$63,117.06

REPAIRS.

Amoskeag Manufacturing Co., repairs	$31.24	
Board of public works, repairing streets and blasting rock	1,637.94	

E. M. Bryant & Co., material and labor.....	$799.89	
S. P. Dodge Co., repairs.....	15.55	
Hersey Manufacturing Co., repairing meters	30.78	
J. Hodge, lumber and labor.....	3.26	
H. J. Lawson, copper float and labor.....	9.62	
Manchester Machine Works, iron and labor	46.52	
J. H. Mendell Co., material and labor.....	2,650.91	
Neptune Meter Co., repairing meters.....	59.80	
National Meter Co., repairing meters.....	177.42	
C. W. Powell, material and labor.....	582.29	
Pike & Heald Co., steamfitting repairs.....	168.08	
Robie Consolidated Concrete Co., repairs....	146.99	
Edward Sargent, making keys.....	1.20	
John H. Stevens, material and labor.....	63.77	
Thomson Meter Co., repairs.....	79.22	
Union Water Meter Co., repairs.....	144.49	
W. C. Wilson, carpenter and mason work...	77.26	
H. R. Worthington, repairing meters.....	6.80	
		$6,733.03

SUNDRIES.

Town of Auburn, taxes.....	$824.23	
H. A. Boone, removing moth nests.....	10.50	
D. F. Cronin, removing nests and spraying trees.....	511.06	
Perry H. Dow, expenses committee on pumps to Boston and Providence.....	37.70	
Dudley & Sawyer, surveying.....	86.25	
F. A. Gowing, cartage.....	2.00	
J. E. Holmes, dinners June 24.....	127.00	
Sarah Pennock, rent of house.....	100.00	
Harrison Preston, lease of land.....	75.00	
J. Pelletier, cartage.....	7.50	
James Ried, cartage of pump.....	25.50	
Sinking fund commissioners, payment of water bonds.....	5,000.00	
Sinking fund commissioners, hydrant rentals	22,450.00	
Peter St. Cyr, teaming.....	9.75	
C. K. Walker, paid for lights.....	239.45	
C. K. Walker, express and stamps.....	85.30	
C. K. Walker, sundries.....	112.90	
		$29,704.14
Total expenditures.....		$153,603.70
Transferred to interest account.....		25,500.00
Transferred to new account.....		73,474.45
		$252,578.15

Pine Grove Cemetery.

Balance from last year unexpended.....	$1,398.00	
Appropriation	19,000.00	
		$20,398.00

Expenditures.

LABOR.

January	$503.16	
February	583.03	
March	529.66	
April	771.10	
May	1,726.92	
June	1,302.17	
July	1,149.32	
August	1,349.82	
September	968.54	
October	997.45	
November	1,280.50	
December	594.34	
		$11,756.01

FUEL, INSURANCE, LIGHTS, TELEPHONE, WATER.

John Dowst, insurance premium.....	$75.00	
Everett & Bunton, insurance premium.....	20.00	
Manchester Traction, Light & Power Co., lights in chapel.....	13.00	
New England Telephone & Telegraph Co., use of telephone.....	30.88	
Union Coal Co., coal.....	307.33	
Water commissioners, use of water.....	865.50	
		$1,311.71

PRINTING AND STATIONERY.

John B. Clarke Co., printing blanks.....	$3.50	
E. H. Chadbourne, stamped envelopes.....	10.62	
Rapid Mailing Bureau, ribbon and oil.....	.90	
Ruemely Press, cards.....	4.00	
Temple & Farrington Co., books and stationery	9.32	
J. Arthur Williams, printing.....	7.00	
Calvin R. Wood, recording.....	.66	
		$36.00

TEAM EXPENSES.

Adams Bros., grain and hay.....	$68.88	
A. S. Brown, grain.....	304.21	

W. L. Comire, harness repairs and supplies	$1.85	
H. B. Dunton, V. S., services	3.00	
S. P. Dodge Co., repairs	17.30	
Frank A. Emerson, hay	90.72	
Golden & Darrah, veterinary services	7.50	
Alva Silva, harness repairs	2.65	
J. O. and L. P. Tremblay, horseshoeing	33.60	
		$529.71

REPAIRS AND IMPROVEMENTS.

American Forestry Co. shrubs and trees	$114.25	
Boston & Maine Railroad, freight	3.55	
Beaupre Bros., cast iron markers	60.00	
Board of public works, brick, sewer pipe, and castings	137.07	
James A. Colby, cleaning vault and cesspool	8.00	
Joel S. Daniels, gilding ball	1.75	
A. Eastman & Co., mason work and repairing stone work of chapel	86.88	
W. P. Farmer, assignee, land, Brown avenue	202.50	
J. D. French, teaming broken stone	213.58	
C. A. Hoitt Co., paper, repairing desk and chair	20.23	
A. P. Horne & Co., shrubs and trees	189.80	
J. Hodge, grade stakes	12.40	
Inter-State Realty Corp., loam	105.75	
R. Kirkpatrick, shrubs and trees	63.00	
Bellett Lawson, Jr., 1 cement marker outfit	22.80	
Manchester Hardware Co., barrow, etc.	6.85	
Manchester Supply Co., pipe, valves, etc.	127.07	
Merrimack Iron Foundry, catch basins	41.11	
National Burial Device Co., canvas cases, 1 set webs	11.50	
Henry W. Parker, cement	11.40	
Pike & Heald Co., plumbing repairs, etc.	112.77	
J. L. Poor, sash, sash shutters	35.70	
J. Louis Poor, attorney for A. M. Mitchell, 19,064 acres land	4,289.40	
Elmer E. Reed, whitewashing	3.44	
James A. Rogers, lumber and labor	94.64	
John H. Stevens, material and labor on roof	18.91	
Stark Mills, duck covers	34.10	
James Thompson, loam	223.00	
John B. Varick Co., tools and hardware	367.47	
West Side Lumber Co., lumber and labor	77.65	
		$6,696.57

SUNDRIES.

J. H. Erskine, expenses attending convention, American Cemetery Superintendents' association at Philadelphia	$43.00	
Edwin F. Jones, preparing annual report of subtrustees	25.00	
		$68.00
Total expenditures		$20,398.00

Valley Cemetery.

Appropriation	$5,000.00

EXPENDITURES.

LABOR.

January	$206.05	
February	260.74	
March	175.00	
April	274.75	
May	487.37	
June	401.18	
July	354.18	
August	435.05	
September	327.74	
October	347.00	
November	427.61	
December	273.50	
		$3,970.17
E. C. Smith		$8.00

FUEL, STATIONERY, TELEPHONE, WATER.

New England Telephone & Telegraph Co., use of telephone	$25.12	
Temple & Farrington Co., 1 book	3.00	
Water commissioners, use of water	241.00	
J. F. Wyman, coal	45.00	
		$314.12

PLANTS, LOAM, ETC.

Bridget Clune, dressing	$15.50	
A. P. Horne & Co., shrubs and trees	100.00	
Pine Grove cemetery, plants	70.00	
E. C. Smith, loam	15.00	
		$200.50

TEAM EXPENSES.

H. J. Dexter, horseshoeing	$16.15	
F. H. Masse & Co., grain, etc	103.65	
Joseph Vogel & Co., harness repairs	8.35	
		$128.15

REPAIRS AND IMPROVEMENTS.

C. H. Allyson, blacksmith work	$4.40	
G. W. Darrah, roofing material and labor	15.35	
G. W. Dodge Shoe Co., rubber boots	10.00	
James E. Hartshorn, plumbing	26.90	
J. H. Mendell & Co., lumber and labor	13.89	
A. J. McKelvie, material and labor	1.35	
H. W. Parker, cement	47.25	
C. Thompson, cleaning clock	1.00	
John B. Varick Co., paint and hardware	68.62	
		$188.76

SUNDRIES.

H. H. Clement, typewriting	$2.00	
W. E. Dunbar & Sons, teaming	74.40	
F. C. Livingston, salary as clerk for sub-trustees, 1910 and 1911	20.00	
Mrs. J. C. Smith, rent of barn	25.00	
E. C. Smith, expenses to convention, American Cemetery Superintendents	50.00	
		$171.40
Total expenditures		$4,981.10
Transferred to unappropriated money		18.90
		$5,000.00

Amoskeag Cemetery.

Appropriation	$500.00	
Transferred from unappropriated money	.79	
		$500.79

EXPENDITURES.

LABOR.

John Crabtree	$113.76	
George C. Harwood	190.00	
Maxwell Ice Co.	3.00	
		$306.76

SUNDRIES.

John Francis, plants	$5.00	
Hubbard Sash and Blind Factory, lumber and labor	2.65	
Manchester Hardware Co., paint, hose, etc.	19.75	
Palmer & Garmon, slate bounds	65.36	
Pike & Heald Co., repairing water-pipe	4.81	
James W. Richards, use of team	7.00	
John B. Varick Co., iron gates and posts	60.00	
John B. Varick Co., paint, lawn mower, etc.	17.46	
Water commissioners, use of water	12.00	
		$194.03
Total expenditures		$500.79

Merrill Cemetery.

Appropriation		$100.00

EXPENDITURES.

LABOR.

May	$20.75	
July	29.50	
August	10.70	
September	8.30	
November	18.00	
		$87.25

SUNDRIES.

Manchester Hardware Co., shovels, handles, barrows	$12.75
Total expenditures	$100.00

Repairs of Schoolhouses.

Appropriation	$10,000.00

EXPENDITURES.

MASONWORK.

Elzear Bilodeau	$98.05	
Albert Marr	6.64	
John S. Wheeler	32.23	
Elmer E. Reed	7.00	
		$143.92

PAINTING AND GLAZING.

G. B. Cressey	$9.90	
Joel S. Daniels	22.81	
C. O. Polson	424.03	
Soucy C. Martell	102.30	
		$559.04

MATERIAL AND REPAIRS.

Amoskeag Manufacturing Co., castings	$17.40
R. J. Barry, inspecting and cleaning boilers	31.12
O. F. Bartlett & Co., resetting bowl	2.50
Barton Company, shades	38.83
A. S. Brown, lime	5.25
F. J. Brendle, labor	.94
T. J. Briggs, material and repairs	29.19
Burlington Venetian Blind Co., hangers	.61
Chamberlain Metal Weather Strip Co., weatherstripping windows	50.00
Connor Bros., plumbing repairs	21.35
Derryfield Co., lumber	339.18
Derryfield Lumber Co., sash	1.00
Edward Dunbar, lumber and labor	43.49
Farrell Bros., material and labor	197.27
A. L. Franks & Co., electric supplies and labor	59.86
J. D. French, clay and teaming	51.50
N. J. Fontaine & Co., caning chair	1.25
F. L. Geiger & Co., castings	2.50
Head & Dowst Co., material and labor	16.45
G. H. Hammond, material and labor	255.19
Peter Harris & Son, repairing lock	.50
C. A. Hoitt Co., shades	9.50
Ideal Stamp Co., key checks	5.25
H. J. Lawson, material and labor	124.20
G. B. Lawrence Co., slate floor slabs	45.50
F. D. Leighton, pipe, iron, and labor	61.26
Manchester Building Co., material and labor	140.75
Manchester Plating Co., plating holders	.50
Manchester Supply Co., bolts and nuts	.40
J. H. Mendell Co., settlement of suit for labor, sundry schoolhouses	451.54
J. H. Mendell Co., cement, lime, and sand	156.33
J. J. Moreau & Son, roofing material and labor	27.34
John Muir, lumber and brick	303.00
C. F. McDonald, plumbing material and labor	157.50

A. J. McKelvie, 2 half joints	$0.30	
F. L. Noyes, material and labor	222.64	
T. Paradis, labor on steps	18.05	
People's Gas Light Co., mantles and globes	1.80	
Pike & Heald Co., plumbing, steam and gas fitting	25.94	
H. A. Piper, material and labor	11.03	
C. H. Prescott, cutting and hauling flagpole	5.50	
Robie Consolidated Concrete Co., concrete	371.45	
J. A. Rogers, lumber and labor	236.01	
Sanitas Manufacturing Co., waterclosets and drinking fountains	516.80	
Edward Sargent, keys and labor	7.30	
Sanborn Carriage Co., blacksmithing	4.75	
John H. Stevens, steamfitting and plumbing	1,165.01	
Tom Smith, material and labor	96.26	
Gustav Seiffert, blacksmithing	12.20	
Smith & Thayer Co., firepot section and grates	99.50	
John B. Varick Co., hardware	370.78	
L. B. Wilson, erecting ceilings	193.80	
West Side Lumber Co., lumber	89.67	
		$6,097.24

SUNDRIES.

Amoskeag Automobile Co., rent of automobile	$13.75	
Boston & Maine Railroad, freight	4.00	
Brodie Electric Co., automobile hire	7.50	
John B. Clarke Co., advertising proposals	4.50	
James A. Colby, cleaning cesspool	33.00	
D. J. Gallagher, teaming	1.75	
G. H. Hammond, 2 railroad fares to Boston and dinners	6.90	
E. H. Holmes, truckage	70.94	
C. F. Jack, paid for cleaning vault	1.00	
Manchester Street Railway, tickets	10.00	
G. M. Morse, cleaning vaults	1.50	
Payroll, sundry persons, for labor:		
July	604.29	
August	893.00	
September	1,005.85	
October	215.79	
November	144.39	
December	117.07	

F. J. Tarbox, truckage	$2.50	
John I. Thompson, cleaning vault	1.00	
		$3,138.73
Total expenditures		$9,938.93
Transferred to unappropriated money		61.07
		$10,000.00

Printing and Advertising.

Appropriation		$500.00

EXPENDITURES.

SUNDRIES.

John B. Clarke Co., printing and advertising	$447.65	
Ira C. Evans, 3,000 child labor laws	9.00	
Manchester Union Co., advertising	6.75	
L'Avenir National, advertising	1.38	
		$464.78
Total expenditures		$464.78
Transferred to unappropriated money		35.22
		$500.00

Books and Stationery.

Appropriation		$50.00

EXPENDITURES.

J. E. Bernier, postals and printing	$8.00	
George D. Fitts, stationery	8.38	
W. P. Goodman, stationery	3.96	
Ruemely Press, 500 blanks	2.50	
		$22.84
Total expenditures		$22.84
Transferred to unappropriated money		27.16
		$50.00

Furniture and Supplies.

Appropriation	$1,200.00	
Transferred from appropriation for fire escapes	350.00	
		$1,550.00

EXPENDITURES.

SUPPLIES.

C. W. Bickford, stationery and postage.....	$20.00	
Edson C. Eastman, public statutes and session laws.....	10.40	
G. D. Fitts, stationery.....	4.38	
W. P. Goodman, stationery.....	.25	
Ideal Stamp Co., stamps.....	12.45	
F. F. Osgood, enamel cloth.....	.75	
Piper & McIntire, drumhead.....	1.50	
Temple & Farrington Co., book.....	7.25	
John B. Varick Co., 1 scale and punch.....	27.95	
		$84.93

FURNITURE, ETC.

Barton Company, piano cover.....	$1.98	
Milton Bradley Co., tables and chairs.....	150.00	
G. D. Fitts, filing cases.....	204.23	
J. L. Hammett Co., blackboards.....	73.90	
W. F. Hart, drumhead.....	2.00	
C. A. Hoitt Co., chairs, desks, tables.....	167.24	
Kenney Bros. & Wolkins, desks and seats...	329.00	
C. A. Trefethen, clocks.....	11.25	
E. F. Tuson, key.....	.15	
		$939.75

SUNDRIES.

Elmer D. Goodwin, use of chairs.....	$1.00	
James W. Hill Co., flags and repairs.....	13.73	
C. A. Hoitt Co., use of chairs.....	57.67	
C. F. Jack, paid for keys.....	2.75	
J. G. Jones, freight and cartage.....	19.38	
A. A. Jenkins, tuning pianos.....	22.50	
Novelty Co., recovering platen.....	1.50	
Star Stamp Co., badges.....	2.50	
Smith Bros. Piano Co., rent of pianos.....	45.00	
James A. Scully, rent of tables.....	44.50	
		$210.53
Total expenditures.....		$1,235.21
Transferred to unappropriated money.....		314.79
		$1,550.00

Fuel.

Appropriation	$12,000.00

EXPENDITURES.

COAL.

L. B. Bodwell	$863.19	
Moore & Preston Coal Co.	4,073.81	
John R. Willis & Co.	5,206.20	
		$10,143.20

WOOD.

S. A. Blood	$57.50	
W. E. Dunbar & Sons	541.25	
Maxwell Ice Co.	2.75	
D. M. Poore Coal Co.	255.00	
		$856.50

SUNDRIES.

C. B. Clarkson, weighing coal	$222.50	
C. F. Jack, carfare and incidentals	3.99	
New England Telephone & Telegraph Co., use of telephone	6.25	
F. F. Osgood, hose	11.25	
People's Gas Light Co., hot plate	2.75	
Travelers Insurance Co., insurance premium	80.00	
John B. Varick Co., hardware, etc.	59.68	
		$386.42
Total expenditures		$11,386.12
Transferred to unappropriated money		613.88
		$12,000.00

Contingent Expenses.

Appropriation	$3,500.00	
Transferred from appropriation for fire escapes	800.00	
Transferred from unappropriated money	238.46	
		$4,538.46

EXPENDITURES.

ELECTRIC LIGHTS, GAS, WATER.

Manchester Traction, Light & Power Co., electric lights	$804.54	
People's Gas Light Co., gas	407.88	
Water commissioners, use of water	1,474.64	
		$2,687.06

CARRYING WATER.

Emma J. Ela	$13.00	
G. M. Morse	8.50	
		$21.50

USE OF TEAMS.

C. W. Bickford	$150.00	
Maude E. Brown	57.00	
Helen Bullard	44.00	
C. W. Davis	150.00	
Emma J. Ela	79.50	
Charles I. Hardy	456.00	
Marjory McDougall	45.00	
Elizabeth McKelvie	5.00	
Marion F. Partridge	91.00	
Phoebe C. Riley	121.00	
		$1,198.50

SUNDRIES.

C. W. Bickford, expenses to Dover and Easthampton to secure teachers	$8.40	
Archie Coldwell, use of chairs	1.50	
E. H. Chadbourne, envelopes, stamps, etc.	35.00	
L. M. Folsom, ribbon	31.92	
J. H. Hesser, engrossing diplomas	39.90	
James W. Hill Co., 1 flag	6.25	
A. A. Jenkins, tuning pianos	4.50	
J. G. Jones, cartage	9.50	
G. H. Libby, postage	8.68	
G. B. Little, removing seats	3.14	
New England Telephone & Telegraph Co., use of telephone	8.70	
Harry A. Piper, labor and teaming	19.72	
John Pronk, removing seats	6.00	
Rapid Mailing Bureau, work on typewriter	2.50	
Grace M. Richardson, stenographic work for committee	2.50	
Fred J. Sarr, use of Park theater (for high school graduation) and coupon tickets	126.85	
Smith Bros. Piano Co., rent of pianos	140.00	
Thomas Smith, removing seats	5.87	
Victor E. Stevens, engrossing diplomas	37.50	
St. Marie Realty Co., use of hall for school	131.25	
Madge Tasker, expenses, Dover to Manchester and return	1.72	
		$631.40
Total expenditures		$4,538.46

Care of Schoolrooms.

Appropriation	$12,000.00	
Transferred from appropriation for fire escapes	400.00	
		$12,400.00

EXPENDITURES.

JANITORS.

John S. Avery	$499.92	
Edwin N. Baker	399.96	
Marshall N. Badger	249.96	
Octave Bergeron	75.00	
Joseph H. Buffum	600.00	
John Cedar	600.00	
Joseph Chalifoux	75.00	
Charles Corey	229.13	
Irving W. Corning	499.92	
Emma J. Ela	38.00	
C. D. Emerson	239.91	
Urbain Gelinas	360.48	
Gedeon Hebert	72.25	
W. F. Henderson	499.92	
Louis Hueber	249.96	
Edward Ivers	20.83	
Charles F. Jack	900.00	
George H. Jack	699.96	
Harvey H. Johnson	399.96	
John J. Kelley	564.96	
Edward Linnehan	166.65	
Martin McIntire	41.67	
Hugh McVicar	549.96	
Mrs. G. M. Morse	30.60	
William H. Newry	600.00	
Squire Priestley	43.75	
Edward A. Powers	499.92	
William J. Powers	549.96	
Philip Rogler	499.92	
Dennis Sullivan	458.26	
William A. Tufts	499.92	
John I. Thompson	62.00	
Francois Vaillancoeur	6.00	
Inez M. Warren	12.00	
Fred F. Whitten	233.32	
		$11,529.05

SUNDRIES.

S. A. Blood, 1 cord slabs	$5.00	
Board of public works, sand and removing snow from walks	50.25	
E. R. and W. C. Coburn, 12 frames	9.00	
Joel S. Daniels, floor dressing	73.60	
Daniels-Cornell Co., soap	27.00	
S. P. Dodge Co., blacksmithing	4.45	
Emma J. Ela, carrying water	6.00	
S. A. Felton & Son Co., brushes and dusters	205.50	
W. S. Holt & Son, waste and cheesecloth	39.55	
Peter Harris & Son, repairing locks	1.00	
James W. Hill Co., cheesecloth	1.00	
Howard Dustless Duster Co., supplies	9.00	
C. F. Jack, incidental expenses	82.15	
J. G. Jones, freight and cartage	.61	
J. B. McCrillis & Son, repairs	2.00	
A. J. McKelvie, repairing and setting up stove	25.10	
G. M. Morse, carrying water	11.50	
John Muir, lumber	1.39	
F. E. Nelson, basins and tumblers	1.40	
New England Telephone & Telegraph Co., use of telephone	18.42	
F. F. Osgood, hose and reel	21.75	
People's Gas Light Co., mantles and globes	3.10	
Poole Manufacturing Co., tube cleaners	36.00	
Sanborn Carriage Co., 1 furnace shaker	1.25	
John H. Stevens, brushes, keys, repairs	7.49	
Sulpho-Napthol Co., disinfectant	18.00	
John B. Varick Co., tools and hardware	141.98	
Louis Vogel, use of teams	9.50	
Young Bros., 1 8-foot step	2.40	
		$815.39
Total expenditures		$12,344.44
Transferred to unappropriated money		55.56
		$12,400.00

Evening Schools.

Appropriation	$3,000.00

Expenditures.

SALARIES.

Frances Abbott	$44.00	
Arthur B. Blaine	43.00	
Arthur D. Benton	7.00	
Gertrude Bonin	16.00	
Harold C. Caine	46.00	
Gertrude Cronin	31.00	
Honorie J. Crough	94.00	
John J. Donnelly	47.00	
Joseph F. Doyle	47.00	
Ferdinand Farley	94.00	
Harry M. French	1.00	
Frank Hale	30.00	
W. F. Hayes	46.00	
Carroll S. King	94.00	
Frank J. Kearns	28.00	
Margaret G. Linen	47.00	
Sarah T. Lyons	50.00	
James Mahoney	44.00	
E. A. Manter	29.00	
Thomas A. McCabe, Jr.	37.00	
W. G. McCarthy	46.00	
Kitty F. McDonald	47.00	
Myra V. Moore	47.00	
Arthur P. Morrill	94.00	
Adelia Murphy	47.00	
Elizabeth Murphy	44.00	
Lawrence O'Connor	39.00	
Harry E. Pillsbury	30.00	
Edwin M. Rogers	47.00	
Carlena A. Savory	47.00	
Jessie P. Stevens	47.00	
John W. Sullivan	35.00	
Minnie Sullivan	44.00	
Nora Sullivan	38.00	
Arthur J. Tonery	47.00	
E. B. Willand	44.00	
Genieve B. Wilson	46.00	
Mary D. Young	47.00	
		$1,711.00

SUNDRIES.

American Book Co., books	$63.33	
E. E. Babb & Co., books	21.15	
John Cedar, janitor	23.50	

John B. Clarke Co., printing	$17.00	
Farrell Bros., mantles, etc.	24.80	
Urbain Gelinas, janitor	23.50	
D. C. Heath & Co., books	52.84	
E. A. Powers, janitor	23.50	
		$249.62
Total expenditures		$1,960.62
Transferred to unappropriated money		1,039.38
		$3,000.00

Evening School.—Mechanical Drawing.

Appropriation		$300.00

EXPENDITURES.

SALARIES.

Henry W. Allen, teacher	$120.00	
John M. Kendall, teacher	120.00	
		$240.00

SUNDRIES.

John Cedar, janitor	$3.50	
E. A. Stratton Co., drawing paper	20.00	
James Reid, truckage	10.00	
John B. Varick Co., triangles	8.75	
		$42.25
Total expenditures		$282.25
Transferred to unappropriated money		17.75
		$300.00

Teachers' Salaries.

Appropriation		$122,700.00

EXPENDITURES.

SALARIES.

January	$12,819.29	
February	12,807.88	
March	12,803.74	
April	9,500.35	
May	12,732.16	

June	$12,744.08	
September	9,413.31	
October	13,083.32	
November	13,220.74	
December	13,207.04	
		$122,331.91
Total expenditures		$122,331.91
Transferred to unappropriated money		368.09
		$122,700.00

Free Text-Books.

Appropriation	$7,000.00	
Transferred from appropriation for fire escapes	1,000.00	
		$8,000.00

Expenditures.

FREE TEXT-BOOKS AND SUPPLIES.

Allyn & Bacon	$24.55
American Book Co.	1,755.94
Atkinson, Mentzer & Grover	77.80
D. Appleton & Co.	114.01
F. B. Alexander	2.03
Amoskeag Manufacturing Co.	52.85
E. E. Babb & Co.	999.66
Bausch & Lomb Optical Co.	64.48
Barton Company	7.53
C. C. Birchard & Co.	20.00
Milton Bradley Co.	605.76
Cambridge Botanical Supply Co.	9.80
T. H. Castor & Co.	40.10
Clark Brothers	1.60
John B. Clarke Co.	10.55
W. O. Crosby	3.00
DeWolfe & Fiske Co.	1.40
Oliver Ditson Co.	4.72
Educational Publishing Co.	6.25
Elliott Manufacturing Co.	4.00
J. Fischer & Bro.	2.87
George D. Fitts	226.32
L. M. Folsom	25.12
Foote Mineral Co.	12.40

Ginn & Co.	$1,047.67	
Gregg Publishing Co.	45.60	
W. P. Goodman	4.25	
J. L. Hammett Co.	78.12	
D. C. Heath & Co.	324.55	
James W. Hill Co.	131.52	
Henry Holt & Co.	329.68	
Houghton, Mifflin & Co.	94.90	
Hubbard Cigar Co.	.25	
Kenney Bros. & Wolkins	317.76	
W. E. King	27.20	
Carl S. Magoon	2.50	
Charles E. Merrill Co.	25.45	
Melvin & Fitts	57.65	
F. E. Nelson	.25	
Novelty Company	18.50	
The Prang Co.	96.40	
Rand, McNally & Co.	30.60	
B. H. Sanborn & Co.	50.92	
Scientific Materials Co.	5.77	
Sibley & Co.	19.61	
Silver, Burdett & Co.	293.91	
Smith Premier Typewriter Co.	7.50	
A. Storrs & Bement Co.	4.73	
Thompson, Brown Co.	41.36	
Thomas A. Upham	6.15	
D. Van Nostrand Co.	13.50	
John B. Varick Co.	81.07	
Wadsworth, Howland & Co.	9.90	
Walsh & Cummings	11.29	
J. Arthur Williams	6.30	
		$7,257.60

SUNDRIES.

J. G. Jones Transfer, freight and cartage	$99.99	
Fannie L. Sanborn, superintendent's clerk	600.00	
Rapid Mailing Bureau, labor on typewriters	30.00	
		$729.99
Total expenditures		$7,987.59
Transferred to unappropriated money		12.41
		$8,000.00

Manual Training.

Appropriation	$600.00

EXPENDITURES.

SUNDRIES.

Amoskeag Manufacturing Co., grease	$0.27	
E. C. Atkins & Co., band saw	1.89	
John B. Clarke Co., printing cards	3.00	
Joel S. Daniels, filler	1.20	
Eugene Dietzgen Co., supplies	21.22	
Eagle Pencil Co., pencils	11.00	
B. F. Elwell Glue Co., glue	8.00	
Favor, Ruhl & Co., sharpening jupiter wheels	1.60	
George D. Fitts, pencil sharpener	7.50	
J. L. Hammett Co., paper	5.25	
J. G. Jones, freight and cartage	8.40	
Manning, Maxwell & Moore, bands for saw	3.75	
E. H. Sheldon & Co., 1 bench	9.00	
Temple & Farrington Co., carbon copy books	9.50	
W. C. Toles & Co., vises	10.50	
Oliver Machinery Co., hand jointer and countershaft	93.50	
John B. Varick Co., tools, etc.	219.55	
Walsh & Cummings, 1 aid cabinet	5.40	
John M. Woods & Co., sundry kinds of wood	166.23	
		$586.76
Total expenditures		$586.76
Transferred to unappropriated money		13.24
		$600.00

Care of School Clocks.

Appropriation	$300.00

EXPENDITURES.

Charles A. Trefethen	$283.00
Total expenditures	$283.00
Transferred to unappropriated money	17.00
	$300.00

Benches--Manual Training School.

Appropriation		$350.00
EXPENDITURES.		
J. G. Jones, freight and cartage	$20.00	
W. C. Toles & Co., 30 benches	330.00	
		$350.00
Total expenditures		$350.00

Enumeration of School Children.

Appropriation	$1,000.00	
Transferred from appropriation for fire escapes	150.00	
		$1,150.00
EXPENDITURES.		
LABOR.		
October		$782.12
John J. O'Connor	$48.75	
Waldo S. Palmer	48.75	
John C. Thompson	15.62	
		$113.12
SUNDRIES.		
John B. Clarke Co., printing slips	$11.75	
W. P. Goodman, stationery	4.60	
		$16.35
Total expenditures		$911.59
Transferred to unappropriated money		238.41
		$1,150.00

Water for Mosquito Pond.

Appropriation	$750.00
EXPENDITURES.	
Transferred to new account	$750.00

Electric Light in Schools.

Appropriation	$250.00

EXPENDITURES.

Farrell Brothers, material and labor	$240.33
Total expenditures	$240.33
Transferred to unappropriated money	9.67
	$250.00

Fire Escapes for Schoolhouses.

Appropriation	$12,500.00

EXPENDITURES.

LABOR.

October	$40.19	
November	83.67	
		$123.86

SUNDRIES.

Bunton & Bernard, material and labor	$889.78	
Dow Wire & Iron Works, contract	1,848.00	
Arthur P. Knapp, fire-escapes	4,067.30	
J. H. Mendell Co., material and labor	416.64	
John H. Stevens, plumbing material	2.67	
		$7,224.39
Total expenditures		$7,348.25
Transferred to care of rooms account		400.00
Transferred to contingent expenses account		800.00
Transferred to enumeration of school children account		150.00
Transferred to furniture and supplies account		350.00
Transferred to free text-books account		1,000.00
Transferred to unappropriated money		2,451.75
		$12,500.00

Repairs to Heating Plants and Plumbing.

Appropriation	$4,000.00

EXPENDITURES.

Philip Carey Co., covering and cement	$131.67
Manchester Union Co., advertising	2.35
J. H. Mendell Co., mortar and cement	3.50
Pike & Heald Co., grate bars, etc.	59.50

John H. Stevens, contract work	$3,229.80	
John H. Stevens, extra supplies	21.35	
		$3,448.17
Total expenditures		$3,448.17
Transferred to unappropriated money		551.83
		$4,000.00

Paupers off Farm.

Appropriation		$17,900.00

EXPENDITURES.

LABOR.

Joseph L. Boudreau, salary as overseer of poor	$1,200.00	
Juliette E. Melancon, services as clerk	600.00	
		$1,800.00

OFFICE SUPPLIES, ETC.

Boston & Maine Railroad, mileage book	$20.00	
John B. Clarke Co., printing blanks, letterheads, envelopes	25.75	
E. H. Chadbourne, stamps	24.00	
L. J. Dionne, box for plant	2.25	
W. P. Goodman, books and stationery	20.55	
Home Supply Co., carpet, rugs, settle, chairs, etc	198.93	
C. A. Hoitt Co., chairs, baskets, carpet-sweeper, stand	32.74	
Ideal Stamp Co., stamps and pads	3.75	
Kirby Bros., repotting palm	2.00	
Lemay Bros., 1 clock	5.00	
New England Telephone & Telegraph Co., use of telephone	26.31	
Manchester Street Railway, tickets	85.00	
Manchester Street Railway, electric fans	23.25	
Carl S. Magoon, ribbon and paper	.75	
Ruemely Press, printing applications, blanks, etc	28.00	
Roy & Gadbois, use of teams	58.75	
James A. Scully, desk and chair	64.00	
Smith Premier Typewriter Co., 1 "C" carriage	27.50	
E. A. Stratton Co., printing bills and orders	40.50	
Standard Ice Co., ice	6.15	

Temple & Farrington Co., stationery.....	$8.50	
John B. Varick Co., 1 safe, ice tank, duster, broom, mailbox, etc.....	200.10	
		$903.78

GROCERIES AND PROVISIONS.

Paul Bellefeuille.....	$24.00
George Boisvert.....	102.75
Bourgeois & Co.....	88.00
Arsene Bournival.....	80.00
Joseph Bureau.....	358.00
Joseph Carrier.....	100.51
Dancose Brothers.....	183.00
N. Daigle.....	59.99
Joseph M. Demers.....	94.00
Desrochers & Vezina.....	20.00
O. F. Dubois.....	141.99
Eugene Dubois.....	289.80
Ducharme Brothers.....	94.00
A. L. Duhaime.....	68.00
Dumas & Prince.....	298.95
L. F. Dusseault & Co.....	372.90
Carl Friborg.....	21.00
Gaillardet & Rivard.....	80.00
S. E. Gagnon & Co.....	87.00
A. J. Gagne.....	181.00
Gaudette Brothers.....	88.00
Ernest Gelinas.....	118.00
J. E. Gaudet.....	35.97
Philip F. Grenier.....	84.00
Jas. J. Griffin.....	111.00
Griffin & Duguay.....	727.93
Gorman Brothers.....	202.94
Joseph B. Haggerty.....	113.00
John Healy.....	428.41
R. Hecker.....	20.00
A. P. Hermsdorf.....	89.85
John A. Kane.....	178.00
Peter Kennedy.....	35.00
T. J. Labrecque.....	82.00
Norbert Lafond.....	77.69
Lamoureux Bros.....	130.21
A. S. LaSalle.....	130.00
Joseph Leblond.....	31.89
A. D. Lemay.....	72.00
Lindquist Bros.....	36.00
J. A. Lindquist.....	8.00

Martel & Valliere	$24.00	
Oscar McDuffee	115.46	
McLaughlin & Day	182.00	
M. J. McNulty	84.76	
E. F. Murray	33.50	
C. E. Newcomb	186.00	
Charles Normand	111.90	
Hertel Pariseau	64.80	
August Pearson	109.46	
M. Peloquin	289.49	
Edmond Pinard	202.00	
A. D. Prince	5.95	
Eugene Quirin	229.00	
Guy T. Robinson	121.96	
A. L. Robitaille	243.88	
Rouleau & Messier	42.00	
N. A. Sargent	24.00	
Eugene Segrist	41.82	
M. A. Sheehan	18.30	
John Sowa	28.00	
C. D. Steele & Co.	60.00	
Peter Tennant	9.72	
T. R. Tennant	83.83	
Joseph Trahan	84.98	
Arthur Turgeon	10.00	
Twentieth Century Market	63.99	
Moise Verrette	58.00	
H. T. Vezina	111.99	
E. C. Voisard	472.00	
		$8,657.57

FUEL.

J. B. Blanchard	$18.00
Charles Boisclair	47.25
N. Bournival	12.00
G. A. Campbell	4.00
J. H. DeCourcy Coal Co.	32.75
J. M. Dery	19.00
W. E. Dunbar & Sons	22.50
F. V. Duplessis	6.50
Fellows & Sons	7.50
Alexis Ferland	32.50
T. F. Fifield	23.25
C. A. and A. W. Flint	8.25
William Forest	56.25
J. Hodge	1.75
C. E. Lessard	11.00

Manchester Coal & Ice Co.	$51.50	
Joseph Masse	59.25	
Moore & Preston Coal Co.	42.78	
Napoleon Normand	4.00	
Northern New England Coal Co.	31.75	
D. M. Poore Coal Co.	12.12	
Raiche & Prince	40.00	
J. P. Russell	19.00	
E. V. Turcotte Est.	6.00	
Union Coal Co.	18.00	
Henry Weber	12.00	
		$598.90

BOARD AND CARE AND RENT.

Mrs. Fred Beauchemin	$80.00
Gedeon Belisle	21.00
Henry A. Berger	140.00
G. M. Brewer	9.86
Mrs. Napoleon Chaput	110.00
Abraham Cote	120.00
John Corliss	9.00
Mrs. Susie Demick	15.00
John Donnelly	99.00
Mrs. Martha A. Draper	80.00
F. Douville	20.00
Elliot Hospital	26.00
Charles W. George	70.00
Thomas Hebert	108.00
Hillsborough County Farm	632.99
Hospice St. Vincent de Paul	96.00
Mrs. Louisa Houlne	120.00
Mrs. Robert Keefe	16.00
Edwin Kennedy	27.00
Sarah Kincaid	8.00
Melvin A. Lewis	120.00
Mrs. C. B. Morrill	46.75
John E. Morse	28.00
Notre Dame Academie	134.00
Notre Dame Hospital	150.60
Notre Dame Orphanage	485.90
Edward O'Hara	20.00
Old Ladies' Home	296.00
Pembroke Sanitorium	336.45
John Rivard	8.00
Sacred Heart Hospital	49.00
Mrs. Ida Scheid	46.00
M. A. Sutton	54.00

St. Joseph's Orphanage	$35.00	
St. Patrick's Orphanage	130.00	
St. Pierre Orphanage	285.50	
Mrs. C. Truland	3.00	
Mrs. L. Waite	4.00	
West Side Lumber Co.	44.00	
L. B. Whittemore	30.00	
Whittier & Foster	88.00	
Mrs. John Wilson	66.00	
		$4,268.05

BOOTS AND SHOES.

Fred Beauchemin	$6.00	
A. T. Beaumier	15.75	
E. C. Chagnon & Co.	15.35	
Ernest M. Cummings	1.85	
Geo. W. Dodge Shoe Co.	7.00	
Family Shoe Store	10.65	
Theophile Gelinas	17.50	
Gedeon Gosselin	6.25	
Heath's Shoe Store	10.30	
New Idea Shoe Co.	14.25	
Pellerin & Simard	.75	
D. F. Shea	1.50	
Gustaf Schlough	2.25	
		$109.40

CLOTHING.

Amoskeag Clothing Co.	$13.45	
Caldwell Sisters	5.11	
James W. Hill Co.	3.14	
		$21.70

MEDICINE, MEDICAL SERVICES, FUNERAL EXPENSES.

Bouffard & Letendre, burial outfit	$25.00
C. O. Coburn, M. D., assisting city physician	5.00
J. M. Dery, burial outfits	50.00
Charles Dufort, medicine	1.50
C. A. Folsom, M. D., professional services	6.00
Oscar Giguere, medicine	3.55
L. G. Gilman, medicine	.80
John B. Hall Co., medicine and supplies	63.50
Kerwin & Sheehan, medicine	10.59
Leblanc & Provencher, medicine	8.30
Andrew Leckie, medicine	1.55
J. M. McDonough, burial outfit	10.00
F. C. Miville, medicine	3.80
C. W. Milliken, M. D., professional services	6.00

A. J. Precourt, medicine, etc.	$16.16	
A. J. Precourt & Co., medicine	9.95	
Roy & Gadbois, burial outfits	60.00	
E. B. Swett, M. D., professional services	6.00	
Dante Smith, medicine	2.05	
M. H. Towle, M. D., professional services	12.00	
F. L. Wallace, burial outfits	50.00	
		$351.75

SUNDRIES.

W. J. Freeman, use of hacks	$4.00	
Fred F. Fisher, extracting teeth	1.50	
Roy & Gadbois, transportation to hospital and Grasmere	5.50	
F. W. Russell, transportation from Grasmere to Concord, N. H.	3.20	
A. J. Woodbury, transportation	2.33	
		$16.53
Total expenditures		$16,727.68
Transferred to unappropriated money		1,172.32
		$17,900.00

Indigent Soldiers.

Appropriation	$300.00	
Appropriation, by resolution, October 9	200.00	
		$500.00

EXPENDITURES.

GROCERIES.

Oscar McDuffee	$6.00	
M. Verrette	88.00	
		$94.00

FUEL.

J. P. Russell	$6.00

BOARD AND CARE AND RENT.

Matthew Malloy	$120.00	
Thomas Mitcheson	120.00	
Mrs. Cora B. Morrill	16.00	
		$256.00

SUNDRIES.

John B. Hall Co., medicine		$0.35
Total expenditures		$356.35
Transferred to unappropriated money		143.65
		$500.00

Purchase of Land Sold for Taxes.

Appropriation	$4,500.00	
Transferred from unappropriated money	1,119.38	
		$5,619.38

EXPENDITURES.

George E. Morrill		$5,619.38

Board of Examiners of Plumbers.

Appropriation		$50.00

EXPENDITURES.

John B. Clarke Co., printing reports	$3.90	
Pike & Heald Co., supplies	40.02	
Temple & Farrington Co., binding records	.85	
		$44.77
Total expenditures		$44.77
Transferred to unappropriated money		5.23
		$50.00

Band Concerts.

Appropriation		$400.00

EXPENDITURES.

Lafayette band	$100.00	
Manchester Cadet band	100.00	
Manchester City band	100.00	
Turner band	100.00	
		$400.00
Total expenditures		$400.00

Militia.

Appropriation		$1,050.00

EXPENDITURES.

Band, First Regiment, N. H. N. G.	$50.00	
Battery A, First Regiment, N. H. N. G.	100.00	
Company A, First Regiment, N. H. N. G.	100.00	
Company B, First Regiment, N. H. N. G.	100.00	
Company F, First Regiment, N. H. N. G.	100.00	
Company K, First Regiment, N. H. N. G.	100.00	
Joseph Freschl Post, G. A. R.	100.00	
Louis Bell Post, G. A. R.	100.00	
Headquarters, First Regiment, N. H. N. G.	50.00	
Hospital Corps	50.00	
Manchester War Veterans	100.00	
Spanish War Veterans	100.00	
		$1,050.00
Total expenditures		$1,050.00

Decoration of Soldiers' Graves.

Appropriation		$500.00

EXPENDITURES.

Joseph Freschl Post	$100.00	
Louis Bell Post	399.95	
		$499.95
Total expenditures		$499.95
Transferred to unappropriated money		.05
		$500.00

State Tax.

Appropriation	$93,720.00	
Transferred from unappropriated money	15,620.00	
		$109,340.00

EXPENDITURES.

State of New Hampshire	$109,340.00

County Tax.

Appropriation	$52,924.30

EXPENDITURES.

County of Hillsborough	$52,924.30

Printing Proceedings of Centennial of Name of Manchester.

Balance from last year unexpended	$150.00

EXPENDITURES.

G. W. Browne, services	$150.00

Animal Rescue League.

Appropriation	$300.00

EXPENDITURES.

Animal Rescue League, amount appropriated	$300.00

Elliot Hospital.

Appropriation	$300.00

EXPENDITURES.

Elliot Hospital, amount appropriated	$300.00

Hospice St. Vincent de Paul.

Appropriation	$300.00

EXPENDITURES.

Hospice St. Vincent de Paul, amount appropriated	$300.00

Infant Asylum, Our Lady of Perpetual Help.

Appropriation	$300.00

EXPENDITURES.

Infant Asylum, Our Lady of Perpetual Help, amount appropriated	$300.00

Notre Dame de Lourdes Hospital.

Appropriation	$300.00

EXPENDITURES.

Notre Dame de Lourdes Hospital, amount appropriated	$300.00

Orphelinat St. Pierre.

Appropriation	$300.00

EXPENDITURES.

Orphelinat St. Pierre, amount appropriated	$300.00

Sacred Heart Hospital.

Appropriation	$300.00

EXPENDITURES.

Sacred Heart Hospital, amount appropriated	$300.00

St. John's Home.

Appropriation	$300.00

EXPENDITURES.

St. John's Home, amount appropriated	$300.00

St. Joseph's Boys' Orphanage.

Appropriation	$300.00

EXPENDITURES.

St. Joseph's Boys' Orphanage, amount appropriated	$300.00

St. Patrick's Girls' Orphanage.

Appropriation	$300.00

EXPENDITURES.

St. Patrick's Girls' orphanage, amount appropriated	$300.00

W. C. T. U. Mercy Home.

Appropriation	$300.00

EXPENDITURES.

W. C. T. U. Mercy home, amount appropriated	$300.00

Women's Aid Home.

Appropriation	$300.00

EXPENDITURES.

Women's Aid home, amount appropriated	$300.00

Young Men's Christian Association.

Appropriation	$300.00

EXPENDITURES.

Young Men's Christian Association, amount appropriated	$300.00

West Side Reading Room.

Appropriation	$100.00

EXPENDITURES.

West Side reading room, amount appropriated	$100.00

Manchester Boys' Club.

Appropriation	$300.00

EXPENDITURES.

Manchester Boys' club, amount appropriated	$300.00

District Nursing Association.

Appropriation	$300.00

EXPENDITURES.

District Nursing Association, amount appropriated	$300.00

Settlement Association.

Appropriation	$300.00

EXPENDITURES.

Settlement Association, amount appropriated	$300.00

Revision of Ordinances.

Appropriation	$1,000.00

EXPENDITURES.

Transferred to new account	$1,000.00

Resolution Raising Money and Making Appropriations for the Year 1911.

City of Manchester.

In the year one thousand nine hundred and eleven.

Resolved, by the Board of Common Council of the City of Manchester, as follows:

That the sum of one hundred and three thousand dollars ($103,000) be borrowed for the use of said city, by issuing bonds in accordance with an act of the legislature of New Hampshire passed at the January session, 1895, entitled "An act to authorize municipal corporations to issue bonds," and known as the Municipal Bonds Act, 1895, said sum to be appropriated for the purpose of building a new schoolhouse in the Rimmon district, so called; said bonds to be dated July 1, 1911, and payable to bearer as follows: Five thousand dollars ($5,000) on each of the following dates: July 1, 1912, July 1, 1913, July 1, 1914, July 1, 1915, July 1, 1916, July 1, 1917, July 1, 1918, July 1, 1919, July 1, 1920, July 1, 1921, July 1, 1922, July 1, 1923, July 1, 1924, July 1, 1925, July 1, 1926, July 1, 1927, July 1, 1928, July 1, 1929, July 1, 1930, and eight thousand July 1, 1931; said bonds to bear the city seal, to be signed by the mayor and countersigned by the city treasurer, and to bear interest at the rate of three and one half per-

cent (3½%) per annum from date, and to have coupons attached bearing the facsimile signature of the city treasurer for the payment of interest at said rate, semiannually, on the first days of January and July of each year, and the city treasurer is hereby authorized to fix the place of payment of interest and principal of said bonds, and under the instructions of the mayor, and the standing committee on finance of said board of common council is authorized to sell said bonds to the highest responsible bidder, and to do all things necessary and proper to complete and carry into effect the issue of said bonds. And be it further

Resolved, That the sum of eight hundred and forty thousand, five hundred dollars ($840,500) be raised for the use of said city for the year 1911, by tax on the polls and estates liable to be taxed thereon in said city, which said sum, together with the one hundred and three thousand dollars ($103,000) to be borrowed as above provided, and with such unappropriated money as may be now in the city treasury or may hereafter come into it shall be appropriated as follows, to wit:

CENTRAL DEPARTMENT.

Interest	$45,500.00
Sinking fund	22,050.00
City hall	4,700.00
Printing and stationery	2,700.00
Incidental expenses	7,000.00
Land sold for taxes	4,500.00
Mayor's incidentals	300.00
City officers' salaries	27,000.00
Payment of funded debt	15,000.00
Revision of ordinances	1,000.00
	$129,750.00

AUDITOR'S DEPARTMENT.

Salaries and expenses	$2,500.00

DEPARTMENT OF TAXES.

State tax	$93,720.00
County tax	52,924.30
	$146,644.30

ASSESSORS' DEPARTMENT.

Salaries and expenses	$9,500.00

ENGINEER'S DEPARTMENT.

Salaries and expenses	$9,900.00

BUILDING DEPARTMENT.

Salaries and expenses	$4,609.25

STREET AND SEWER DEPARTMENT.

Street and park commissioners, salaries and expenses..	$10,000.00
Snow and ice, and cleaning streets	15,000.00
Repair of highways	30,000.00
New highways	5,000.00
Watering streets	10,000.00
Paving streets	20,000.00
Macadamizing streets	8,000.00
Grading for concrete	3,000.00
Scavenger service	30,000.00
Bridges	8,000.00
City teams	15,000.00
Repairs of sewers	5,000.00
New sewers	18,000.00
Brown-tail and gypsy moths	5,000.00
City yard	6,000.00
Street sweeping	8,000.00
Cutting and trimming trees	1,000.00
Elm leaf beetle	3,000.00
	$200,000.00

SCHOOL DEPARTMENT.

Books and stationery	$50.00
Care of rooms	12,000.00
Contingent expenses	3,500.00
Evening schools	3,000.00
Evening schools—drawing	300.00
Free text-books and apparatus	7,000.00
Fuel	12,000.00
Furniture and supplies	1,200.00
Manual training	600.00
Printing and advertising	500.00
Repairs of schoolhouses	10,000.00
Teachers' salaries	122,700.00
Enumeration of school children	1,000.00
Water for Mosquito Pond school	750.00
Benches for Manual Training school	350.00
Fire escapes for schools	12,500.00
Repairs to heating plants and plumbing	4,000.00
Electric lights in schools	250.00
New schoolhouse in Rimmon district and site, and new schoolhouse on Union street and site	103,000.00
Care of school clocks	300.00
	$295,000.00

FIRE DEPARTMENT AND HYDRANT SERVICE.

Fire department—salaries and maintenance	$108,825.00
Fire-alarm telegraph	6,600.00
Hydrant service	22,450.00
Two-horse truck for Somerville engine house	2,200.00
	$140,075.00

PUBLIC BUILDINGS AND PLACES.

Repairs on public buildings	$10,050.00
Pine Grove cemetery	19,000.00
Valley cemetery	5,000.00
Amoskeag cemetery	500.00
Merrill yard	100.00
Care of commons	4,500.00
Stark park	1,000.00
Derryfield park	1,000.00
Lafayette park	1,000.00
Miscellaneous playgrounds	1,000.00
Subway comfort, Merrimack common	10,000.00
Ball ground in Wolf park	200.00
Hosehouse for Goffe's Falls	1,000.00
City library addition	5,000.00
	$59,350.00

HEALTH DEPARTMENT.

Health department	$20,000.00

POLICE DEPARTMENT.

Police station	$3,000.00
Police court	3,200.00
Police commission	68,660.00
	$74,860.00

CITY LIBRARY.

Salaries and expenses	$7,000.00
Purchase of books	2,000.00
	$9,000.00

PATRIOTIC, CHARITABLE, AND PHILANTHROPIC.

Women's Aid home	$300.00
Elliot hospital	300.00
Sacred Heart hospital	300.00
Notre Dame hospital	300.00
Mercy home	300.00

Infant asylum	$300.00
Decoration of soldiers' graves, Joseph Freschl Post, G. A. R.	100.00
Decoration of soldiers' graves, Louis Bell Post, G. A. R.	400.00
Company A, First Regiment, N. H. N. G.	100.00
Company B, First Regiment, N. H. N. G.	100.00
Company F, First Regiment, N. H. N. G.	100.00
Company K, First Regiment, N. H. N. G.	100.00
Battery, N. H. N. G.	100.00
Headquarters and Band, First Regiment	100.00
Joseph Freschl Post, G. A. R.	100.00
Louis Bell Post, G. A. R.	100.00
Manchester War Veterans	100.00
Spanish War Veterans	100.00
Hospital corps	50.00
Band concerts	400.00
Boys' Club	300.00
Orphelinat St. Pierre	300.00
Examiners of plumbers	50.00
West Side reading room	100.00
St. Joseph boys' orphanage	300.00
Animal Rescue League	300.00
Hospice St. Vincent de Paul	300.00
St. John's home	300.00
St. Patrick's girls' orphanage	300.00
Young Men's Christian Association	300.00
District Nursing Association	300.00
Settlement Association	300.00
	$6,900.00

OVERSEER OF POOR DEPARTMENT.

Paupers off farm	$15,000.00
Indigent soldiers and sailors	300.00
Salaries and expenses	2,900.00
	$18,200.00

LIGHTING STREETS.

Lighting streets	$64,500.00

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

Resident and nonresident.	Polls.		Real estate, value.	Stock in trade.	Money on hand, at interest, or on deposit, value.	Horses, asses, and mules, over 18 months old.		Carriages, value.	Cows, oxen, and other neat stock over 18 months old.	
	No.	Value.				No.	Value.		No.	Value.
1893	11,835	$1,183,500	$16,003,370.00	$2,554,818.00	$425,334.00	2,777	$210,032.00	$59,516.00	551	$11,656.00
1894	12,103	1,210,300	16,956,070.00	2,421,954.00	519,500.00	2,608	200,376.00	57,526.00	452	9,618.00
1895	11,244	1,224,400	17,688,224.00	2,435,546.00	149,592.00	2,639	196,264.00	59,128.00	431	9,710.00
1896	12,583	1,258,300	18,358,266.00	2,421,862.00	147,148.00	2,644	184,790.00	57,440.00	410	9,308.00
1897	12,921	1,292,100	18,763,182.00	2,772,460.00	113,288.00	2,617	174,746.00	57,810.00	507	10,920.00
1898	12,808	1,280,800	19,175,434.00	2,782,386.00	167,160.00	2,640	171,242.00	56,668.00	551	12,400.00
1899	13,137	1,313,700	19,301,762.00	3,939,419.00	176,388.00	2,648	169,977.00	58,129.00	619	14,570.00
1900	13,759	1,375,900	19,569,249.00	3,509,972.00	1,293,585.00	2,755	174,593.00	88,500.00	704	16,690.00
1901	13,976	1,397,600	19,922,261.00	3,888,517.00	394,436.00	2,669	174,242.00	99,976.00	551	14,076.00
1902	14,079	1,407,900	19,983,327.00	3,536,583.00	1,173,222.00	2,621	180,157.00	120,369.00	519	13,414.00
1903	14,384	1,438,400	20,137,200.00	3,303,445.00	1,210,597.00	2,577	179,065.00	129,404.00	554	16,039.00
1904	14,451	1,445,100	20,465,749.00	3,400,749.00	1,258,931.00	2,483	177,580.00	126,762.00	586	15,564.00
1905	14,650	1,465,000	20,966,778.00	3,858,690.00	1,125,553.00	2,384	196,597.00	150,365.00	696	20,989.00
1906	15,481	1,548,100	22,133,160.00	4,800,392.00	195,024.00	2,288	189,238.00	159,026.00	698	19,736.00
1907	15,800	1,580,000	23,401,086.00	4,940,178.00	162,330.00	2,406	207,395.00	176,351.00	695	19,978.00
1908	16,266	1,626,600	24,034,758.00	4,714,079.00	374,506.00	2,262	201,191.00	187,240.00	721	20,316.00
1909	16,093	1,609,300	24,347,963.00	4,968,343.00	119,972.00	2,220	200,821.00	221,902.00	681	19,503.00
1910	17,261	1,726,100	25,247,605.00	5,345,478.00	260,692.00	2,545	210,434.00	281,507.00	627	18,515.00
1911	20,092	2,009,200	25,910,972.00	5,384,344.00	279,554.00	2,171	210,622.00	310,037.00	631	20,031.00

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.—*Continued.*

Hogs.		Sheep over six months old.		Boats.	Fowls.	Stock in banks and other corporations, value.	Stock in public funds and bonds, value.	Factories and their machinery, value.	Total value.	Rate of tax per hundred.	Tax levied.
No.	Value.	No.	Value.	Value.	Value.						
12	$120.00	13	$38.00	.....	$52.00	$317,600.00	$5,600.00	$6,667,906.00	$27,439,742.00	$1.85	$507,640.68
73	820.00	40	80.00	.....	316.00	230,000.00	22,100.00	6,763,050.00	28,391,710.00	1.78	505,372.44
52	524.00	29	62.00	.....	174.00	263,166.00	1,400.00	6,774,950.00	28,861,122.00	1.74	502,183.02
26	260.00	43	90.00	.....	.....	249,104.00	2,000.00	6,755,100.00	29,443,668.00	1.86	547,651.50
45	470.00	33	56.00	.....	.....	233,264.00	.....	7,068,650.00	30,486,946.00	2.08	634,127.80
69	490.00	43	64.00	.....	610.00	250,934.00	.....	7,090,300.00	30,988,488.00	1.95	604,280.57
45	418.00	11	24.00	.....	756.00	222,460.00	.....	6,294,181.00	31,491,784.00	1.95	614,096.93
35	354.00	7	14.00	.....	904.00	213,344.00	.....	6,464,589.00	32,706,794.00	1.90	621,428.47
12	92.00	6	18.00	.....	1,200.00	223,780.00	.....	6,924,919.00	33,011,112.00	1.98	654,214.00
.....	.....	8	24.00	.....	1,400.00	227,982.00	.....	6,399,956.00	33,044,334.00	2.25	743,497.53
7	100.00	.....	.....	.....	832.00	210,272.00	.....	6,194,496.00	32,819,850.00	2.10	689,217.79
2	20.00	.....	220.00	.....	410.00	185,950.00	.....	6,102,524.00	33,179,294.00	1.95	647,003.29
27	190.00	5	.16	.....	1,337.00	287,220.00	.....	6,103,731.00	34,176,466.00	2.08	710,870.13
18	224.00	.....	.....	.....	1,314.00	239,002.00	.....	6,128,294.00	35,413,510.00	1.91	676,402.89
23	272.00	.....	.....	.....	871.00	233,746.00	4,700.00	6,247,487.00	36,968,394.00	1.85	683,915.28
22	274.00	.....	.....	$700.00	810.00	250,818.00	2,200.00	6,333,222.00	37,746,708.00	1.86	702,088.28
18	195.00	.....	.....	.....	902.00	228,348.00	34,900.00	6,350,795.00	38,102,914.00	2.05	781,118.54
51	770.00	.....	.....	.....	972.00	256,153.00	57,730.00	6,475,896.00	39,881,852.00	2.01	801,628.21
71	1,058.00	.....	.....	.....	1,612.00	232,832.00	592,708.00	6,498,876.00	41,451,846.00	2.04	845,616.91

Assessors' Oath.

We, the assessors of the city of Manchester, do solemnly swear that in making the invoice for the purpose of assessing the foregoing taxes we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1911 was as follows:

	Valuation.	Rate	Tax.
Real estate	$32,409,848	2.04	$661,160.90
Personal property	7,032,798	2.04	143,469.08
	$39,442,646		$804,629.98
Number of polls, 20,092	2,009,200		40,987.68
	$41,451,846		$845,617.66
Fractional loss			.75
			$845,616.91
School tax			303.88
Brown-tail moth tax			1,121.81
Property exempt from city tax only			1,108.93
Total tax levied			$848,151.53

The share distributed to Manchester of the amount of tax assessed, as per returns made by the corporations to state treasurer:

On railroads	$47,696.56
On savings banks	89,158.28
On insurance companies	4,235.63
On literary fund	3,946.14
Grand tax total	$993,188.14

For further information in relation to taxes collected by the state, see state treasurer's report.

TAX VALUATIONS, ETC., FROM 1890 TO 1911, INCLUSIVE.

Year.	Valuation.	Taxes.	No. polls.	Poll tax.	Valuation of poll.
1890	$24,207,740	$462,809.17	9,723	$1.91	$100
1891	24,872,492	443,541.76	10,367	1.78	100
1892	25,932.044	506,465.17	10,673	1.95	100
1893	27,439,742	507,640.68	11,835	1.85	100
1894	29,391,710	505,372 44	12,103	1.78	100
1895	28,861,122	502,183.02	12,244	1.74	100
1896	29,443,668	547,651.50	12,583	1.86	100
1897	30,486,946	634,127.80	12,921	2 08	100
1898	30,988,488	604,280.57	12,808	1 95	100
1899	31,491,784	614,096 93	13,137	1.95	100
1900	32,706,794	621,428.47	13,759	1.90	100
1901	33,041,112	654,214.00	13,976	1.98	100
1902	33,034,334	743,497.53	14,079	2.25	100
1903	32,819,850	689,217.79	14,384	2.10	100
1904	33,179,294	647,003.29	14,451	1.95	100
1905	34,176 466	710,870.13	14,650	2.08	100
1906	35,413 510	676,402.89	15,481	1.91	100
1907	36,968,394	683,915.28	15,800	1.85	100
1908	37,746,708	702,088.28	16,266	1.86	100
1909	38,102,944	781,118.54	16 093	2.05	100
1910	39,881,852	801,628.21	17,261	2.01	100
1911	41,451,846	845,616.91	20,092	2.04	100

Statement of Account of George E. Morrill, Tax Collector for the City of Manchester, N. H., June 1, 1911.

	Amount outstanding June 1, 1910	Collected	Balance outstanding June 1, 1911
Tax list, 1885	$1,205.71		$1,205.71
1886	1,264.85		1,264.85
1887	1,163.94		1,163.94
1888	1,580.13		1,580.13
1889	1,395.13		1,395.13
1890	1,687.08		1,687.08
1891	1,966.63		1,966.63
1892	2,582.12		2,582.12
1893	4,095.13		4,095.13
1894	3,514.05		3,514.05
1895	5,004.92		5,004.92
1896	4,992.00		4,992.00
1897	5,296.91		5,296.91
1898	5,629.21		5,629.21
1899	5,675.09		5,675.09
1900	5,150.11		5,150.11
1901	6,068.01		6,068.01
1902	6,501.97		6,501.97
1903	7,154.47		7,154.47
1904	6,638.33		6,638.33
1905	8,319.16		8,319.16
1906	8,768.81		8,768.81
1907	7,434.35	$80.48	7,353.87
1908	8,348.70	88.70	8,260.00
1909	7,514.76	186.08	7,328.68

Amount collected	$355.26	
Credit by cash, as per treasurer's receipt, No. 155 in 1910, No. 180 in 1911	$351.16	
Credit by abatement on assessors' warrant	4.10	
		$355.26
Interest collected		$1,793.11
Credit by cash as per treasurer's receipt, Nos. 117, 225 in year 1911		$1,793.11
Costs collected		$2,016.20
Credit by cash, as per treasurer's receipts, No. 240 in year 1910, and Nos. 116, 224 in year 1911		$2,016.20

DR.

1910. June 1.	To warrant resident list	$800,135.15
	warrant nonresident list	1,493.06
	voluntary list	1,340.01

June 1.	To warrant school tax.....	$221.10	
	moth tax.....	1,025.01	
	state and county tax on exempted property.....	73.86	
			$804,288.59

Cr.

1910, 1911.		
By cash paid treasurer, per vouchers Nos. 112, 129, 134, 135, 141, 158, 163, 171, 178, 189, 195, 236 in year 1910, and 36, 42, 73, 186, 187, 226 in year 1911.....	$792,510.02	
By cash abatements, vouchers Nos. 154, 204, 235 in year 1910.....	1,549.17	
By abatements on assessors' warrant, 1911...	1,510.09	
By unpaid taxes, July 1, 1911.....	8,719.31	
		$804,288.59

Manchester, N. H., August 1, 1911.

I hereby certify that I have examined the account of George E. Morrill, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE,
City Auditor.

TABLE OF TAXES DUE AND UNCOLLECTED.

Year.	Due January 1, 1911, assessed in 1911.	Discounts and abatements, 1911.	Collected in 1911.	Due December 31, 1911.
Taxes of 1885	$1,205.71	.....	.....	$1,205.71
" of 1886	1,264 85	.....	.....	1,264.85
" of 1887	1,163.94	.....	.....	1,163.94
" of 1888	1,580.13	.....	.....	1,580.13
" of 1889	1,395.13	.....	.....	1,395.13
" of 1890	1,687.08	.....	.....	1,687.08
" of 1891	1,966.63	.....	.....	1,966.63
" of 1892	2,582.12	.....	.....	2,582.12
" of 1893	4,095.13	.....	.....	4,095.13
" of 1894	3.514 05	.....	.....	3,514.05
" of 1895	5,004.92	.....	.....	5,004.92
" of 1896	4,992.00	.....	.....	4,992.00
" of 1897	5,296.91	.....	.....	5,296.91
" of 1898	5,629.21	.....	.....	5,629.21
" of 1899	5,675.09	.....	.....	5,675 09
" of 1900	5,150 11	.....	.....	5,150.11
" of 1901	6,068.01	.....	.....	6,068.01
" of 1902	6,501.97	.....	.....	6,501.97
" of 1903	7,154.47	.....	.....	7,154 47
" of 1904	6,638.33	.....	.....	6,638.33
" of 1905	8,319.16	.....	.....	8,319.16
" of 1906	8,768.81	.....	.....	8,768.81
" of 1907	7,434 35	.....	$80.48	7,353.87
" of 1908	8,348.70	$1.86	88.70	8,258.14
" of 1909	7,439 00	6.15	179.93	7,253.82
" of 1910	1,340.41 72,217.38	1 530.19	64,493.99	7,533.61
" of 1911	845,616.91	2,318.85	770,998.53	72 299.53

Some Laws and Decisions Relating to Exemptions from Taxation.

CONSTITUTION OF NEW HAMPSHIRE, ARTICLE 82, PAGE 38, PUBLIC STATUTES.

ENCOURAGEMENT OF LITERATURE, ETC.

ART. 82. "Knowledge and learning generally diffused through a community being essential to the preservation of a free government and spreading the opportunities and advantages of education, through the various parts of the country, being highly conducive to promote this end, it shall be the duty of legislators and magistrates, in all future periods of this government, to cherish the interests of literature and the sciences, and all seminaries and public schools; to encourage private and public institutions, rewards, and immunities for the promotion of agriculture, arts, sciences, commerce, trades, manufactures, and natural history of the country; to countenance and inculcate the principles of humanity and general benevolence, public and private charity, industry and economy, honesty and punctuality, sincerity, sobriety, and all social affections and generous sentiments among the people; *provided, nevertheless*, that no money raised by taxation shall ever be granted or applied for the use of schools or institutions of any religious sect or denomination."

PUBLIC STATUTES, CHAPTER 55.

"SECT. 2. Real estate, whether improved or unimproved, and whether owned by residents or others, is liable to be taxed, except houses of public worship, twenty-five hundred dollars of the value of parsonages owned by religious societies and occupied by their pastors, schoolhouses, seminaries of learning, real estate of the United States, state or town used for public purposes, and almshouses on county farm."

"SECT. 11. Towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town"; *provided, however*, that the assessors shall annually appraise such property and the valuation determined upon for the same shall be added to the valuation of all other property in the town to determine the total valuation for the purposes of state and county taxes.

OPINION OF THE SUPREME COURT.

58 N. H. Rep., page 623. "The exemption in each case is limited to ten years. A perpetual alienation of the whole power of taxation would be the destruction of government; and the dangerous tendency

of legislation suspending any part of that power, for any period, is manifest. *P. Bank* v. *Billings*, 4 Pet. 514, 561. So long as the existing laws remain unrepealed, and the constitutional construction heretofore adopted remains unchanged, contracts hereafter made under these laws and that construction will be valid. If the legislature for any reason wish to prevent the making of any more such contracts, their object can be accomplished by a repeal of the laws authorizing them."

Hospitals, etc., are exempt from taxation in their respective charters as "being of the nature of a public charity," as follows:

Gale Home for Aged and Destitute Women, N. H. Laws of 1899, chapter 199.

Elliot hospital, N. H., Laws of 1881, chapter 178.

Manchester Woman's Aid and Relief Society, organized in January, 1875, N. H. Laws, 1891, chapter 283.

Orphanage and Home for Old Ladies (Catholic) on Hanover street, N. H. Laws, 1883, chapter 56.

Schedule of Property used for Religious, Charitable and Educational Purposes, and Exempt from Taxation by Law, not including that owned by the City of Manchester.

Convent, Sisters Jesus-Mary, French Catholic; East Spruce street, near Beech:		
Building	$8,000.00	
13,000 square feet of land	3,220.00	
		$11,220.00
Convent, Sisters of Mercy, Catholic; 415 Union street, corner Laurel:		
Building	$30,000.00	
12,600 square feet of land	3,760.00	
		$33,760.00
Mount St. Mary's academy, Catholic; from convent lot east to Beech street:		
Building	$25,000.00	
31,500 square feet of land	9,450.00	
		$34,450.00
Catholic library; Union street:		
Building	$5,000.00	
4,900 square feet of land	2,450.00	
		$7,450.00
Convent of Holy Angels; Beauport and Wayne streets:		
Building	$22,000.00	
22,500 square feet of land	11,250.00	
		$33,250.00

L'orphelinat St. Pierre; 55 Alsace street:		
Building	$22,500.00	
83,331 square feet of land	12,500.00	
		$35,000.00
Monastery Precious Blood; 555 Union street:		
Building	$20,000.00	
7,750 square feet of land	3,875.00	
		$23,875.00
Mt. St. Mary's convent; 131 Laurel street:		
Building	$1,175.00	
4,500 square feet of land	1,125.00	
		$2,400.00
Notre Dame hospital; Notre Dame avenue:		
Building	$100,000.00	
90,500 square feet of land	45,250.00	
		$145,250.00
Sacred Heart hospital; Amherst and Hanover streets:		
Building	$20,000.00	
40,500 square feet of land	30,335.00	
		$50,375.00
Sacred Heart hospital; Nurses' home:		
Building	$3,000.00	
15,000 square feet of land	5,350.00	
		$8,350.00
St. Augustine orphanage; 251 Lake avenue:		
Building	$15,000.00	
10,000 square feet of land	3,000.00	
		$18,000.00
St. Isidor convent; Orange street:		
Building	$40,000.00	
14,000 square feet of land	4,000.00	
		$44,000.00
House of St. Martha; 131 Laurel street:		
Building	$1,500.00	
4,500 square feet of land	1,125.00	
		$2,625.00
St. Martha's home; Merrimack street:		
Building	$1,000.00	
4,500 square feet of land	1,800.00	
		$2,800.00
St. Patrick's orphanage; 184 Hanover street:		
Building	$47,000.00	
40,500 square feet of land	40,500.00	
		$87,500.00
Sisters of Mercy; 151 Ray street:		
Building	$3,000.00	
10,500 square feet of land	1,050.00	
		$4,050.00

Sisters of Mercy; 1004 Union street:		
Building	$720.00	
10,721 square feet of land	1,280.00	
		$2,000.00
		$543,555.00

CATHOLIC CHURCHES.

Catholic chapel; Auburn street:		
Building	$10,000.00	
5,000 square feet of land	1,500.00	
		$11,500.00
Catholic church; Pinard street:		
Building	$8,000.00	
43,905 square feet of land	1,200.00	
		$9,200.00
Catholic church; South Elm street:		
Building	$3,360.00	
18,972 square feet of land	4,740.00	
		$8,100.00
St. Anne's church; Union and Merrimack streets:		
Building	$50,000.00	
20,520 square feet	6,000.00	
		$56,000.00
St. Antoine De Padoue; Belmont street:		
Building	$10,000.00	
55,700 square feet of land	8,350.00	
		$18,350.00
St. Augustine's:		
Building	$80,000.00	
26,000 square feet of land	7,800.00	
		$87,800.00
St. George's church; Pine and Orange streets:		
Building	$75,000.00	
18,690 square feet of land	7,614.00	
		$82,614.00
St. Hedwidge church; Merrimack and Pine streets:		
Building	$30,000.00	
9,000 square feet of land	3,600.00	
		$33,600.00
St. Joseph's Cathedral; Pine and Lowell streets:		
Building	$120,000.00	
46,050 square feet of land	46,050.00	
		$166,050.00
St. Mary's church; Wayne and Notre Dame avenue:		
Building	$150,000.00	
70,000 square feet of land	35,000.00	
		$185,000.00

St. Patrick's church and school; Kelley street:		
Building	$68,000.00	
56,281 square feet of land	22,500.00	
		$90,500.00
St. Raphael's church; Third and Ferry streets:		
Building	$35,000.00	
59,239 square feet of land	14,800.00	
		$49,800.00
Sacred Heart church, South Main street:		
Land	Building in process.	
Building		
		$25,000.00
		$823,514.00

CATHOLIC PARSONAGES.

Residence priest St. Anne's church, Catholic; 231 Merrimack street:		
Building	$5,000.00	
10,080 square feet of land	2,646.00	
		$2,500.00
	$7,646.00	
Residence of Catholic bishop; 145 Lowell street:		
Building	$20,000.00	
18,050 square feet of land	13,500.00	
		$2,500.00
	$33,500.00	
Residence priest St. George's church, French Catholic; Orange street, corner Pine:		
Building	$5,140.00	
5,930 square feet of land	2,360.00	
		$2,500.00
	$7,500.00	
Residence priest St. Mary's church, French Catholic; 378 Notre Dame avenue, West Manchester:		
Building	$25,000.00	
10,000 square feet of land	5,000.00	
		$2,500.00
	$30,000.00	
Residence priest St. Augustine church, French Catholic; 383 Beech street:		
Building	$6,000.00	
7,500 square feet of land	2,350.00	
		$2,500.00
	$8,350.00	
Residence priest St. Hedwidge church, Polish Catholic; on church land, Pine street:		
Building	$5,000.00	
		$2,500.00

Residence priest St. Antoine De Padoue church, French Catholic; 172 Belmont street:		
Building	$2,500.00	
50,586 square feet of land	2,500.00	
		$2,500.00
	$5,000.00	
Residence Order St. Benedict, Catholic; Ferry street:		
Building	$3,000.00	
4,125 square feet of land	1,000.00	
		$2,500.00
	$4,000.00	
		$20,000.00

CATHOLIC SCHOOLS.

Catholic school; Union and Laurel streets:		
Building	$4,250.00	
4,500 square feet of land	1,350.00	
		$5,600.00
Catholic school; Belmont street:		
Building	$4,400.00	
5,606 square feet of land	560.00	
		$5,000.00
Catholic school; Cedar and Beech streets:		
Building	$35,000.00	
15,000 square feet of land	3,000.00	
		$38,000.00
Holy Rosary school; 30 Cedar street:		
Building	$9,000.00	
2,500 square feet of land	1,875.00	
		$10,875.00
McDonald school:		
Building	$40,000.00	
10,800 square feet of land	3,240.00	
		$43,240.00
Orphanage school:		
Building	$25,000.00	
30,000 square feet of land	6,000.00	
		$31,000.00
St. Agnes' school:		
Building	$14,000.00	
15,000 square feet of land	4,500.00	
		$18,500.00
St. Augustine's academy:		
Building	$8,000.00	
15,000 square feet of land	4,500.00	
		$12,500.00
St. George's school:		
Building	$40,000.00	
10,000 square feet of land	4,000.00	
		$44,000.00

St. Joseph's High school:		
Building	$13,000.00	
8,000 square feet	12,000.00	
		$25,000.00
St. Joseph's Girls' school; cathedral lot:		
Building	$14,000.00	
		$14,000.00
St. Mary's school:		
Building	$46,000.00	
20,000 square feet of land	4,000.00	
		$50,000.00
Polish Catholic school; Merrimack and Union streets:		
Building	$43,000.00	
8,820 square feet of land	3,525.00	
		$46,525.00
		$344,240.00

PROTESTANT CHURCHES.

First Baptist church; Union street, corner Concord:		
Building	$28,000.00	
11,250 square feet of land	6,750.00	
		$34,750.00
First Freewill Baptist church; Merrimack street, corner Chestnut:		
Building	$12,400.00	
12,600 square feet of land	12,600.00	
		$25,000.00
Second Baptist church, Merrimack street, near Pine:		
Building	$9,000.00	
9,450 square feet of land	3,780.00	
		$12,780.00
People's Baptist church; Chestnut street, corner Concord:		
Building	$8,000.00	
4,000 square feet of land	4,000.00	
		$12,000.00
First Congregational church; Hanover street, corner Union:		
Building	$35,000.00	
42,560 square feet of land	34,048.00	
		$69,048.00
Second Congregational church; Market street, corner Franklin:		
Building	$32,000.00	
10,000 square feet of land	25,000.00	
		$57,000.00

Third Congregational church; South Main street, corner Milford, West Manchester:		
Building	$8,000.00	
20,465 square feet of land	4,093.00	
		$12,093.00
First M. E. church; Valley street, corner Jewett:		
Building	$8,000.00	
11,400 square feet of land	1,228.00	
		$9,228.00
St. Paul's M. E. church; Union street, corner Amherst:		
Building	$25,000.00	
13,500 square feet of land	6,250.00	
		$31,250.00
Trinity M. E. church; School street:		
Building	$3,500.00	
8,604 square feet of land	2,580.00	
		$6,080.00
St. James M. E. church; Pennacook street, corner Pine:		
Building	$10,000.00	
17,160 square feet of land	3,430.00	
		$13,430.00
Grace church, Episcopal; Lowell street, corner Pine:		
Building	$25,000.00	
15,950 square feet of land	8,950.00	
		$33,950.00
First Unitarian church, Concord street, corner Beech:		
Building	$25,000.00	
13,500 square feet of land	5,400.00	
		$30,400.00
First Universalist church; Lowell street, near Elm:		
Building	$22,000.00	
8,800 square feet of land	13,200.00	
		$35,200.00
Christian church, Protestant; Hall street, corner Merrimack:		
Building	$9,000.00	
9,975 square feet of land	1,195.00	
		$10,195.00
Jewish temple; Laurel street:		
Building	$825.00	
2,250 square feet of land	675.00	
		$1,500.00
First Presbyterian church, German; Second street, corner Bath, West Manchester:		
Building	$3,000.00	
10,000 square feet of land	2,500.00	
		$5,500.00
Swedish Lutheran church, Protestant; Sagamore, corner Pine:		
Building	$8,000.00	
11,000 square feet of land	2,200.00	
		$10,200.00

Swedish Evangelical Mission; Pine street, corner Orange:		
Building	$6,500.00	
5,600 square feet of land	2,240.00	
		$8,740.00
Swedish Baptist church; Arlington street, near Maple:		
Building	$5,000.00	
4,822 square feet of land	964.00	
		$5,964.00
Second Advent church; Amherst street, between Pine and Union:		
Building	$5,500.00	
4,500 square feet of land	1,575.00	
		$7,075.00
City Mission chapel, Protestant; Merrimack street, corner Beech:		
Building	$7,000.00	
12,600 square feet of land	3,680.00	
		$10,680.00
Westminster Presbyterian church; Brook street, corner Hazel:		
Building	$15,000.00	
10,000 square feet of land	2,500.00	
		$17,500.00
South Manchester Union chapel, Protestant; Elm street, south:		
Building	$2,500.00	
10,747 square feet of land	1,500.00	
		$4,000.00
First Church of Christ, Scientist; Harrison street, corner Albert:		
Building	$15,000.00	
17,000 square feet of land	6,800.00	
		$21,800.00
Episcopal Mission church; North Main street, corner School, West Manchester:		
Building	$4,850.00	
19,412 square feet of land	4,000.00	
		$8,850.00
Congregation Adath Yashuran church; Central, near Maple:		
Building	$18,950.00	
7,000 square feet of land	1,050.00	
		$20,000.00
First German church; Conant street:		
Building	$5,000.00	
9,650 square feet of land	2,400.00	
		$7,400.00

Pentacostal church:		
Building	$2,030.00	
3,246 square feet of land	970.00	
		$3,000.00
Residence pastor St. Paul's M. E. church; Union street, near Amherst:		
Building	$2,500.00	
		$2,500.00
Residence pastor First Congregational church; 590 Beech street, near Bridge:		
Building	$4,500.00	
10,000 square feet of land	2,500.00	
		$2,500.00
	$7,000.00	
Residence pastor Grace Episcopal church; corner of Harrison and Union streets:		
Building	$3,750.00	
19,000 square feet of land	4,750.00	
		$2,500.00
	$8,500.00	
German School society; Third, Bath, and Ferry streets:		
Building	$4,500.00	
10,190 square feet of land	2,500.00	
		$7,000.00
Elliot hospital, Protestant; East Manchester:		
Building	$50,000.00	
Land	53,735.00	
		$103,735.00
Elliot hospital lot; Hanover street, corner Chestnut:		
Building	$5,000.00	
7,500 square feet of land	15,000.00	
		$20,000.00
Elliot hospital:		
Land and buildings, Main street	$3,800.00	
Land and buildings, Quincy street	2,000.00	
		$5,800.00
Elliot hospital:		
69,470 square feet of land, Massabesic street		$3,473.00
Women's Aid home; Pearl street, corner Beech:		
Building	$15,620.00	
57,530 square feet of land	14,380.00	
		$30,000.00
Women's Aid home; Bridge street, corner Chestnut:		
Buildings	$4,800.00	
6,137 square feet of land	2,400.00	
		$7,200.00
Women's Aid home; 136 Walker street:		
Building	$400.00	
5,500 square feet of land	1,100.00	
		$1,500.00

Manchester Children's home; Webster street:		
Building	$15,000.00	
55,000 square feet of land	5,500.00	
		$20,500.00
Manchester Children's home:		
7,191 square feet of land, Pearl street	$2,400.00	
1,250 square feet of land, Elm street	10,625.00	
Building	125.00	
5,000 square feet of land, 78 Pennacook street	900.00	
Building	1,100.00	
9,406 square feet of land, 266, 274 Pearl street	3,150.00	
		$18,300.00
Residence pastor Swedish Lutheran church; Sagamore street, corner Pine:		
Building	$2,000.00	
10,200 square feet of land	1,500.00	
		$2,500.00
	$3,500.00	
Gale home:		
One half Martin's block, Elm street	$26,000.00	
Land and building, Pearl street, corner Ash	51,500.00	
		$77,500.00
Masonic home, Beech street:		
Building	$17,000.00	
56,700 square feet of land	7,500.00	
		$24,500.00
One half land and buildings, 193 Pearl street	$2,400.00	
One half land and buildings, 266 Pearl street	3,150.00	
		$5,500.00
Mercy home, Mammoth road:		
Building	$2,500.00	
11.4 acres of land	4,500.00	
		$7,000.00

STATE PROPERTY.

State armory:		
State building	$30,000.00	
24,000 square feet of land	24,000.00	
		$54,000.00
State Industrial school:		
State buildings	$75,000.00	
98.3 acres	98,500.00	
		$173,500.00

COUNTY PROPERTY.

Hillsborough county court house:		
Building	$20,000.00	
19,200 square feet of land	57,000.00	
		$77,000.00
Hillsborough county jail:		
Building	$75,000.00	
147,000 square feet of land	29,400.00	
		$104,400.00

UNITED STATES PROPERTY.

United States postoffice:		
Building	$150,000.00	
30,322 square feet of land	37,900.00	
		$187,900.00

EXEMPT FROM TAXATION.

Church property, Catholic	$823,514.00	
Convent property, Catholic	124,630.00	
Parochial residences, Catholic	20,000.00	
Parochial schools, Catholic	340,240.00	
Hospitals and other charitable institutions	418,925.00	
		$1,727,309.00
Church property, Protestant	$524,613.00	
Parochial residences, Protestant	10,000.00	
Private school property, Protestant	7,000.00	
Hospitals and other charitable institutions	325,008.00	
		866,621.00
United States, state, and county property		596,800.00
Total		$3,190,730.00

TAXABLE.

Land and buildings, Catholic	$80,996.00	
Land and buildings, Protestant	11,500.00	
		$92,496.00
Total exempt and taxable		$3,283,226.00

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

Date of issue.	Description.	Number.	Denomination.	Amount.	Total.	Date when the principal is payable.	Interest. Rate per ct.	Interest. When payable.	Interest. Where payable.
Dec. 15, 1895	Water bonds.	50	$1,000	$50 000	$50,000	December 15, 1915	4	Semiannual	Second Nat. Bk., Boston, Mass.
Oct. 1, 1894	" "	50	1,000	50,000	50,000	October 1, 1914	4	"	" " "
Nov. 1, 1893	" "	100	1,000	100,000	100,000	November 1, 1913	4 1-2	"	" " "
Aug. 1, 1893	" "	100	1,000	100,000	100,000	August 1, 1913	5	"	" " "
Jan. 1, 1892	" "	100	1,000	100,000	100,000	January 1, 1912	4	"	" " "
Jan. 1, 1897 Refunded	" "	100	1,000	100,000	100,000	" 1, 1917	4	"	" " "
July 1, 1895 Refunded	" "	100	1,000	100,000	100,000	" 1, 1915	4	"	" " "
July 1, 1911 Refunded	Bridge bonds.	60	1,000	60,000	60,000	$5,000 annually from July 1, 1912, to 1923, inclusive	4	"	" " "
April 1, 1905	City bonds.	50	1,000	50,000	50,000	April 1, 1925	3 1-2	"	" " "
" 1, 1907	" "	50	1,000	50,000	50,000	" 1, 1927	4	"	" " "
" 1, 1909	" "	50	1,000	50,000	50,000	" 1, 1929	3 1-2	"	" " "
July 1, 1893	Improv'm't bonds	100	1,000	100,000	100,000	January 1, 1913	4	"	" " "
June 1, 1894	" "	100	1,000	100,000	100,000	April 1, 1914	4	"	" " "
April 1, 1895	" "	100	1,000	100,000	100,000	" 1, 1915	4	"	" " "
" 1, 1896	" "	100	1 000	100,000	100,000	" 1, 1916	4	"	" " "
" 1, 1910	" "	100	1,000	100,000	100,000	" 1, 1930	3 1-2	"	" " "

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.—*Continued.*

Date of issue.	Description.	Number.	Denomination.	Amount.	Total.	Date when the principal is payable.	Interest. Rate per ct.	Interest. When payable.	Interest. Where payable.
July 1, 1895	School bonds.	40	1,000	40,000	40,000	$10,000 July 1, 1912 and $10,000 annually thereafter	4	Semiannual	Second Nat. Bk., Boston, Mass.
" 1, 1896	" "	40	1,000	40,000	40,000	July 1, 1916	4	"	" " "
July 1, 1911	" "	103	1,000	103,000	103,000	$5,000 July 1, 1912, and $5,000 annu'y to 1930 inclu., and $8,000 July 1, 1931.	3 1-2	"	" " "
April 1, 1899	City bonds.	100	1,000	100,000	100,000	April 1, 1919	3 1-2	"	" " "
July 1, 1902	Municipal bonds.	80	1,000	80,000	80,000	July 1, 1922	3 1-2	"	" " "
October 1, 1910	Cemetery bonds.	21	1,000	21,000	21,000	October 1, 1930	3 1-2	"	" " "
					$1,694,000				

REMARKS.—The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay $100 and upward. There are $50,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the $1,694,000.

Total amount of bonded debt, including cemetery bonds	$1,744,000.00
Net indebtedness for water purposes	600,000.00
Net debt after deducting water debt	$1,144,000.00

As shown in the assessors' books for the year 1911.

The assessed value of personal property, including poll tax	$9,041,998.00
The assessed value of real estate	32,409,848.00
Total value for taxation	$41,451,846.00

Tax rate, 2.04 percent on a hundred.

Percent of net indebtedness (excluding debt for water purposes) to assessed valuation	2.76
Percent of net indebtedness (including debt for water purposes) to assessed valuation	4.20
Population, census of 1910	70,063

No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1911, $771,060.76.

The power of the city to borrow money in relation to the water-works is limited to the sum of $600,000 by section 6, chapter 70, New Hampshire Laws of 1871, entitled "An act to enable the city of Manchester to establish water-works," except as further extended an amount of $300,000 by laws of 1891, chapter 26; and $200,000 by laws of 1895, chapter 172.

SUMMARY OF CITY DEBT.

Amount of debt January 1, 1911	$1,656,000.00
Bonds issued during year	163,000.00
Accrued interest on bonded debt, December 31, 1911	26,000.00
	$1,845,000.00
Amount of bonded debt paid in 1911	75,000.00
Total indebtedness, December 31, 1911	$1,770,000.00

AVAILABLE ASSETS.

Net cash on hand December 31, 1911	$161,831.15
Taxes uncollected, list of 1911	72,299.53

Stock of Suncook Valley Railroad, estimated value.....	$20,000.00
Sinking fund December 31, 1911.....	771,060.76
	$1,025,137.44

STATEMENT OF THE ANNUAL INTEREST CHARGE ON THE BONDED DEBT.

Year.	Six percent water bonds.	Four percent water bonds.	Four and a half and five percent water bonds.	Five percent cemetery bonds.	Six percent to fund debt.	Four percent to build McGregor bridge.	Four percent to fund debt.	Four perct. improvement bonds and 3 1-2 percent city bonds.	3 1-2 and Four percent school bonds and Granite bridge.	Total of annual interest.
1890..	$27,000	$6,000	.....	$623 75	$7,000	$2,400	$6,200	.....	.....	$49,423.75
1891..	4,000	8,0 0	.....	813 92	7,200	2,400	6,200	.....	.....	48,613 92
1892..	18,000	12,000	.....	1,000.00	7,200	2,400	6,200	.....	.....	46,800.00
1893..	18,000	12,000	.....	1,041.66	7,200	2,400	6,200	.....	.....	46,841.66
1894..	18,000	14,000	$9,500	1,550.00	.....	2,400	6,200	$8,000	.....	59,650.00
1895..	18,000	16,000	9,500	1,812.50	.....	2,400	6,200	12,000	$4,800	68,712.50
1896..	12,000	20,000	9,500	2,112.50	.....	2,400	6,200	16,000	14,400	82,612.50
1897..	9,000	22,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	80,600.00
1898..	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	79,000.00
1899..	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	11,400	81,500.00
1900..	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	10,520	80,620.00
1901..	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	8,800	78,900.00
1902..	3,000	24,000	9,500	2,500.00	.....	2,400	6,200	20,850	8,200	76,650.00
1903..	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,400	73,300.00
1904..	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,000	72,900.00
1905..	.....	24,000	9,500	2,500.00	.....	2,400	4,200	24,050	5,600	72,250.00
1906..	.....	24,000	9,500	2,500.00	.....	2,400	4,200	24,050	5,200	71,850.00
1907..	.....	20,000	9,500	2,500 00	.....	2,400	4,200	24,050	4,800	67 450.00
1908..	.....	20,000	9,500	2,500.00	.....	2,400	4,200	24,050	4,400	67,050.00
1909.	.....	20,000	9 500	2,500.00	.....	2,400	4,200	23,050	4,000	65 050.00
1910..	.....	20 000	9,500	2,500.00	.....	2,400	4,200	22,650	4,000	65,250.00
1911..	.....	20,000	9,500	2,500.00	.....	2 400	2,200	29,700	6,805	73,105.00

Valuation of Real Estate Owned by the City.

SCHOOLS.

High school, Beech street, corner Lowell:		
Building	$200,000.00	
59,400 square feet of land	28,700.00	
		$228,700.00
Franklin-street school, Franklin street, corner Pleasant:		
Building	$16,000.00	
19,200 square feet of land	19,200.00	
		$35,200.00
Spring-street school, Spring street:		
Building	$13,000.00	
11,551 square feet of land	11,551.00	
		$24,551.00
Lincoln-street school, Lincoln street, corner Merrimack:		
Building	$50,000.00	
40,000 square feet of land	10,000.00	
		$60,000.00
Ash-street school, Ash street, corner Bridge:		
Building	$55,000.00	
57,537 square feet of land	28,765.00	
		$83,765.00
Main-street school, North Main street, West Manchester:		
Building	$15,000.00	
40,293.4 square feet of land	16,000.00	
		$31,000.00
Webster-street school, Webster street:		
Building	$45,000.00	
55,714¾ square feet of land	16,710.00	
		$61,710.00
Lowell-street school, Lowell street, corner Chestnut:		
Building	$500.00	
9,650 square feet of land	9,650.00	
		$14,650.00
Maynard school, Merrimack street, corner Union:		
Building	$31,000.00	
22,000 square feet of land	9,000.00	
		$40,000.00
Parker school, South Main street, West Manchester:		
Building	$25,000.00	
19,402 square feet of land	3,880.00	
		$28,880.00
Bakersville school, Elm street, south:		
Building	$18,000.00	
23,937 square feet of land	4,780.00	
		$22,780.00
Stark District school, River road, north:		
Building	$1,500.00	
43,560 square feet of land	500.00	
		$2,000.00

Amoskeag school, Front street, Amoskeag:		
Building	$9,000.00	
6,000 square feet of land	900.00	
		$9,900.00
Rimmon school, corner Amory and Dubuque streets:		
Building	$27,000.00	
16,600 square feet of land	3,320.00	
		$30,320.00
Goffe's Falls school, Goffe's Falls:		
Building	$14,000.00	
47,916 square feet of land	500.00	
		$14,500.00
Harvey District school, Nutt road:		
Building	$2,000.00	
21,780 square feet of land	100.00	
		$2,100.00
Webster Mills school, Webster Mills:		
Building	$400.00	
5,445 square feet of land	100.00	
		$500.00
Youngsville school, Youngsville:		
Building	$10,000.00	
41,915 square feet of land	500.00	
		$10,500.00
Mosquito Pond school, Mosquito Pond:		
Building	$400.00	
10,890 square feet of land	100.00	
		$500.00
Pearl-street school:		
Building	$20,000.00	
21,331 square feet of land	4,260.00	
		$24,260.00
Varney school, Bowman street, corner Mast, West Manchester:		
Building	$43,750.00	
57,218 square feet of land	8,560.00	
		$52,310.00
Hallsville school, Jewett street, corner Young, East Manchester:		
Building	$47,800.00	
44,000 square feet of land	4,400.00	
		$52,200.00
Straw school, Chestnut street, corner Harrison:		
Building	$30,000.00	
32,400 square feet of land	16,200.00	
		$46,200.00
New Wilson school, Wilson, Cedar, and Auburn streets:		
Building	$40,000.00	
41,600 square feet of land	6,240.00	
		$46,240.00

South Manchester school, Titus avenue:		
Building	$12,000.00	
48,400 square feet of land	2,400.00	
		$14,400.00
Chandler school, Concord street, corner Ashland:		
Building	$40,000.00	
22,682 square feet of land	5,540.00	
		$45,540.00
Brown school, corner Amory, Alsace, and Joliette streets:		
Building	$30,000.00	
39,250 square feet of land	7,300.00	
		$37,300.00
Total		$1,020,006.00

ENGINE-HOUSES.

Engine-house and stable, Central Station, Vine street:		
Building	$31,800.00	
12,635 square feet of land	25,250.00	
		$57,050.00
North Main-street engine-house, North Main street, West Manchester:		
Building	$20,000.00	
17,950 square feet of land	7,180.00	
		$27,180.00
Webster-street engine-house, Webster street, corner Chestnut:		
Building	$25,000.00	
8,510 square feet of land	2,650.00	
		$27,650.00
Merrimack engine-house, Lake avenue:		
Building	$20,000.00	
10,000 square feet of land	3,000.00	
		$23,000.00
Hosehouse and cottage, Maple street, corner East High:		
Building	$3,000.00	
10,370 square feet of land	3,100.00	
		$6,100.00
Engine-house, Rimmon and Amory streets, West Manchester:		
Building	$25,000.00	
6,000 square feet of land	1,200.00	
		$26,200.00
South Manchester hosehouse:		
Building	$3,000.00	
10,370 square feet of land	3,100.00	
		$6,100.00

Engine-house, Concord street, corner Weston:		
Building	$7,000.00	
15,000 square feet of land	1,500.00	
		$8,500.00
Hosehouse and wardroom, Somerville street:		
Building	$18,000.00	
10,527.75 square feet of land	1,580.00	
		$19,580.00
		$201,360.00

OTHER PUBLIC BUILDINGS AND LOTS.

City Library, Dean avenue, corner Franklin street:		
Building	$35,000.00	
15,000 square feet of land	30,000.00	
		$65,000.00
City Hall, Elm street, corner Market:		
Building	$40,000.00	
10,000 square feet of land	150,000.00	
		$190,000.00
City farm, Mammoth road:		
Building	$5,000.00	
21.73 acres, west Mammoth road	40,270.00	
91.87 acres, east Mammoth road	65,240.00	
		$110,510.00
Court house, Franklin street, corner West Merrimack:		
Building	$20,000.00	
19,000 square feet of land	38,000.00	
		$58,000.00
Battery building, Manchester street:		
Building	$15,000.00	
3,400 square feet of land	2,040.00	
		$17,040.00
Police station, Manchester street, corner Chestnut:		
Building	$40,000.00	
7,500 square feet of land	7,500.00	
		$47,500.00
Slayton lot, Manchester street:		
Police patrol stable	$4,000.00	
Building	300.00	
2,908 square feet of land	2,908.00	
		$7,208.00
City stable and other buildings, Franklin street:		
Building	$15,344.00	
14,656 square feet of land	14,656.00	
		$30,000.00
City yard, Lincoln, Hayward, Maple, and Valley streets:		
Buildings	$2,000.00	
231,000 square feet of land	25,410.00	
		$27,410.00

Police station, Clinton street, West Manchester:		
Building	$4,000.00	
3,600 square feet of land	720.00	
		$4,720.00
Ward 5 wardroom, Lake avenue:		
Building	$4,500.00	
3,000 square feet of land	450.00	
		$4,950.00
City stable, district No. 10		$1,200.00
City scales, Franklin street:		
Building		$300.00
Ward 2 wardroom, Blodget street:		
Building	$2,500.00	
9,000 square feet of land	4,500.00	
		$7,000.00
Hosehouse, Mammoth road:		
Building	$1,000.00	
28,580 square feet of land	2,850.00	
		$3,850.00
		$574,688.00

Personal Property Owned by the City.

Property in care city engineer	$1,350.00
chief engineer fire department	133,259.75
street & park commission (estimated)	32,336.67
superintendent of schools	37,049.00
city messenger	3,000.00
chief of police and janitor	7,250.00
trustees city library	30,000.00
superintendent of Pine Grove cemtery	2,246.87
superintendent of Valley cemetery	437.80
Stock in Suncook Valley Railroad, in care of city treasurer	20,000.00
Personal property in care city weigher	1,000.00
	$267,930.09
Uncollected taxes in 1911	72,299.53
Net cash in treasury December 31, 1911	159,831.15
	$232,130.68

Other Real and Personal Estate Owned by the City.

Soldiers' monument	$25,000.00
Amoskeag bridge over Merrimack river	25,000.00
Fountains and water-troughs on streets and commons	3,600.00
City tomb	10,000.00

McGregor bridge	$100,000.00
Granite bridge	150,000.00
South Main-street bridge, over Piscataquog river	30,000.00
Second-street bridge, over Piscataquog river	55,000.00
Granite-street bridge, over B. & M. R. R.	6,000.00
Print-Works bridge, on Granite, over lower canal	15,000.00
Two bridges in highway district No. 9	2,000.00
One bridge at Goffe's Falls	3,500.00
Expended on construction of sewers	1,200,000.00
Gravel lot, East Manchester	800.00
Gravel lot, Youngsville, 1 acre	500.00
Gravel lot, Goffstown, 2 acres	400.00
Lot, Spruce street, 5,750 square feet of land	340.00
Lot, Groux island, 5,000 square feet of land	20.00
Fountains and water-troughs	3,600.00
	$1,627,160.00

PARKS AND CEMETERIES.

Valley cemetery, 19.7 acres	$230,000.00
Pine Grove cemetery, Ursula chapel	16,000.00
Pine Grove cemetery, about 212.326 acres	425,000.00
Amoskeag cemetery, 1.23 acres	5,000.00
Stark park, 30 acres	60,000.00
Derryfield park, 76 acres	76,000.00
Concord common, 183,000 square feet of land	183,000.00
Tremont common, 98,065 square feet of land	49,000.00
Hanover common, 132,000 square feet of land	99,000.00
Park common, 157,800 square feet of land	78,900.00
Merrimack common, 513,000 square feet of land	768,500.00
Wagner's park, 429,250 square feet of land	6,430.00
Lafayette park, 90,500 square feet of land	45,200.00
Prout park, 223,601 square feet of land	22,300.00
East Side park, 19,363 square feet of land	5,000.00
	$2,069,330.00

WATER-WORKS.

Real estate and personal property of water-works, at cost price	$1,357,499.51

Property owned by the city, being deeded to the city on sale for taxes:

20 acres land, Dunbarton road	$220.00
Lots 209 to 218, Mammoth Park, Fourth street	20.00
Lot Hapgood land	10.00
Lots 159, 160, 161, Woodlawn avenue	30.00
Lot 8, Boylston street	10.00
Lots 142, 143, Brewster street	20.00
Lot 79, Brunswick street	10.00

Lot 67, Brunswick street	$10.00
Lot 29, Bowditch street	10.00
Lot 23, Glenwood plan, Boynton street	20.00
Lots 3, 4, Riverview plan, Brown avenue	165.00
Lots 29, 30, 31, Riverview plan, Belair street	155.00
Lot 46, Riverview plan, Belair street	10.00
Lot 47, Riverview plan, Belair street	10.00
Lots 72, 73, 74, 75, Riverview plan, Westland avenue	66.00
Lot 102, Riverview plan, Harwich street	10.00
Lot 110, Riverview plan, Enfield street	10.00
Lots 156, 157, 158, 159, 160, Riverview plan, Riverview street	110.00
Lots 220, 221, Riverview plan, Wolcott street	60.00
Lots 364, 365, Riverview plan, Edgmere street	45.00
Lots 15, 16, Lakeview Terrace, Groveland avenue	40.00
Lots 185, 186, Lakeview Terrace, Groveland avenue	24.00
Lot 22, Centennial street, Groux Island	20.00
Lot 30, Christopher street, Groux Island	20.00
Lot 63, Isabella street, Groux Island	20.00
Lot 73, Centennial street, Groux Island	20.00
Lot 6177, Clay street	475.00
Lot Cilley road	80.00
Lot 14, Young plan, Taylor street	176.00
Lot Taylor street	80.00
Lot 13, South Beech street	220.00
Lot 16, Page plan, Burlington street	25.00
Lots 288, 289, 290, Glenwood avenue	200.00
Lots 279, 280, Glenwood avenue	110.00
Lot 8, Orchard avenue	165.00
Lot 79, Myrtle avenue	38.00
Lots 85, 86, Myrtle avenue	82.00
Lot 68 and part 69, Shasta street	100.00
Lot, Mystic street	180.00
Lot 65, Cody plan, Cody street	55.00
Lots 617 to 622, Hebert street	190.00
Lots 635 to 640, Hebert street	195.00
Lot 667, Lincoln street	40.00
Lot, Shasta street	100.00
Lot, Porter street	200.00
Lots 76, 77, Boutwell street	110.00
Lot 305, Mystic avenue	30.00
Lot, Wilson and Clay streets	275.00
Lots 73, 107, Ingalls street	110.00
Lots 13, 14, Blk. 17, Currier plan, Waltham street	20.00
Lot 11, Blk. C, Willow street	66.00
Land, Nutt road	35.00
Land, Nutt road	80.00

Lot 27, Derryfield Terrace, Mammoth road	$66.00
Lot east of 316 Douglas street	330.00
Land Cemetery road, A	55.00
Land, Elm street, rear of the Beacon Bldg	220.00
Total	$5,253.00

RECAPITULATION.

Real estate owned by the city, schoolhouses	$1,020,006.00
Real estate owned by city	574,688.00
Real estate owned by city, engine-houses	201,360.00
Water-works at cost price	1,357,499.51
Personal property owned by the city	267,930.09
Uncollected taxes and cash	232,130.68
Other real and personal property	1,627,160.00
Parks and cemeteries	2,069,330.00
Real estate purchased for taxes	5,253.00
	$7,355,357.28

PROPERTY ACCOUNT.

Inventory of assets, December 31, 1911	$7,355,357.28
Inventory of assets, December 31, 1910	6,436,551.38
Gain in valuation	$918,805.90

Auditor's Office.

City hall building. Open from 9 to 12 A. M., 1.30 to 5 P. M.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

6. Is the bill written in a fair, legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the percent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection or suspension for further information or correction as the circumstances of each case may require.

ARC AND TUNGSTEN ELECTRIC LIGHTS.

ARC AND TUNGSTEN ELECTRIC LIGHTS.

CIRCUIT No. 1.

Bridge and McGregor.
Main and McGregor.
South light in Eddy.
Monmouth and McGregor.
Marion and McGregor.
Wayne and McGregor.
Putnam and Main.
Wayne and Main.
Nicholat lane.
Marion and Main.
Amory and Main.
Amory and Notre Dame avenue.
Coolidge avenue, near Kelley.
Coolidge avenue and Notre Dame avenue.
Coolidge avenue and Cartier.
Coolidge avenue, north of Bremer.
Bremer and Dubuque.
Kelley and Cartier.
Kelley and Rimmon.
Kelley and Hevey.
Kelley and Alsace.
Kelley and Boutwell.
Amory and Morgan.
Amory and Essex.
Amory and Alsace.
Amory, near Montgomery.
Amory and Amory extension.
Bow and Bartlett.
Wayne and Thornton.
Sullivan and Thornton.
Putnam and Bartlett.
Putnam, west of Rimmon.
Rimmon at 322.
Amory and Rimmon.
Amory and Cartier.
Amory and Dubuque.

Total—36.

CIRCUIT NO. 1.—TUNGSTENS.

McGregor bridge, No. 1.
McGregor bridge, No. 2.
McGregor bridge, No. 3.
McGregor bridge, No. 4.
McGregor bridge, No. 5.
McGregor bridge, No. 6.
McGregor bridge, No. 7.
Leggett court and Marion avenue.
Amory and Hevey.
Sullivan and Blucher.

Total—10.

CIRCUIT NO. 2.

Wayne and Notre Dame avenue.
Cartier, south of Wayne.
Wayne and Dubuque.
Putnam and Cartier.
Sullivan and Notre Dame avenue.
Sullivan and Main.
Adams and Notre Dame avenue.
Adams and Cartier.
Schuyler and Main.
Wilton and Main.
Gates and Dubuque.
Conant and Montgomery.
Blucher and Montgomery.
Conant and Cartier.
Conant and Rimmon.
Conant and Notre Dame avenue.
Douglas and Main.
Douglas and West.
Douglas and Barr.
Douglas and Railroad.
Granite and Green.
Granite and West.
Granite and Main.
Clinton and Dover.
Parker and West.
Ferry and Main.
Walker and Main.
Blaine and Main.
West Hancock and Main.
West Hancock and Dartmouth.
West Hancock and Second.
West Hancock and Wentworth.
Schiller and Second.

Wentworth and Bell.
Blaine and Second.
Blaine and Third.
School and Third.
Walker and Fourth.
Walker and Third.
Walker and Second.
Walker and Turner.
Ferry and Turner.
Ferry and Third.
Bath and Second.
Granite and Second.
School and Turner.
Granite bridge center.

Total—47.

CIRCUIT NO. 2.—TUNGSTENS.

Douglas and Douglas north back.
Douglas and Dover.
Wilton and Notre Dame avenue.
Douglas and Quincy.
Granite and Barr.
Granite and Quincy.
Granite and Winter.
Granite and Dover.
Parker, near West.
Wheelock, south of West Hancock.
Dartmouth and Frederick.
Second street, south of Cleveland.
Cleveland and Hiram.
Alley off School street.
Turner at Turner hall.
School and Second.
Douglas and Turner.

Total—17.

CIRCUIT NO. 3.

Elm and Kidder.
Elm west back, between Kidder and Hollis.
Elm and Lowell.
Elm and Manchester.
Granite and Franklin.
Granite south back and Canal.
Granite and Bedford.
Private way, Manchester corporation.
State, north of Granite.
Granite and State.
Granite bridge, east.

Granite bridge, west.
Winter and Parker.
Winter street, at 62.
Mast and Main.
Mast and Bowman.
Mast and Riddle.
Mast and New Mast road.
Carroll and Charlestown avenue.
Mast and Brock.
Mast and Forest.
New Mast road and D.
New Mast road and Wilkins.
Rockland avenue and Goffstown road.
Rockland avenue and Wilkins.
Bismarck and Sylvester.
Donald road and cemetery.
Milford and Donald.
Milford and Carroll.
Milford and Riddle.
Bowman place and Tilton.
Milford and Main.
Bowman at 173.
A at 73.
B and C.
Prince and B.
McDuffie and Huntress.
Boynton and Prince.
Boynton at 135.
Boynton and Grant.
Era and South Main.
South Main at 520.
Harvell and South Main.
A and South Main.

Total—44.

CIRCUIT NO. 3.—TUNGSTENS.

Bowman and Marlboro.
State and Grove.
Mast at 272.
Canal at 66.
George at 51.
Williams at 76.
Milford and Williams.
Main and Frederick.
Milford and Bowman.
A and B.
Boynton and C.

Boynton and Allen.

Total—12.

CIRCUIT NO. 4.

Canal and Cedar.
Franklin and Cedar.
Elm and Cedar.
Elm and Auburn.
Elm, opposite 385.
Elm and Green.
Elm and Valley.
Elm at railroad bridge.
Elm and Silver.
Elm and Brown avenue.
Brown avenue and Hancock.
Byron and Boston & Maine railroad.
Baker and Brown avenue.
Brown avenue, at 445.
Brown avenue and Westland avenue.
Elm, south of Baker.
Elm and Baker.
Elm and Shasta.
Elm and Elm avenue.
Welch avenue and Calef road.
Baker and Calef road.
Beech, near Gold.
Titus avenue and Beech.
Titus avenue and Highland school.
Mystic avenue and Union.
Mitchell and Beech.
Beech and Lawrence railroad.
Nutt road and Portsmouth railroad.
Nutt road and Willow.
Nutt road and Auger avenue.
Silver and Pine.
Valley and Pine.
Valley and Union.
Hayward and Union.
Silver and Union.
Hayward and Beech.
Silver and Beech.
Beech and Portsmouth railroad.
Nutt road and Beech.
Willow and Maple.

Total—40.

CIRCUIT NO. 4.—TUNGSTENS.

Kidder court.
Franklin and Auburn.
Valley, near Willow.
Merrill and Willow.
Hancock and Hamilton.
Hancock, near brewery.
Brown avenue and Byron.
Brown avenue and Shasta.
Baker and Lawrence railroad.
Calef road, at 214.
Calef road and Hillcrest avenue.
Calef road and Edgemere avenue.
Calef road and Mitchell.
Calef road and Titus avenue.
Pine Grove cemetery.
Calef road and Brown avenue.
Brown avenue, at 1744.
Brown avenue, at 2626.
Railroad street, Goffe's Falls.
Goffe's Falls depot.
Brown avenue and Railroad street.
Brown avenue, at 2743.
Brown avenue, at 2849.
Brown avenue, at 2869.
Brown avenue, at 2915.
Brown avenue, at 2956.
Brown avenue and Mill avenue.
Mill avenue.
Mill avenue at Caldwell's.
Brown avenue and Devonshire mills.
Londonderry road, off Brown avenue.
Brown avenue, opposite Londonderry road.
Brown avenue, at 3100.
South end Goffe's Falls school.
Shasta and Maple.
Willow road and Weston.
Willow road, at J. J. Connor's.
Willow road, at Heureux's.
Willow road, at Harvey's.
Willow road and Marshall's.
Willow road and Merrill.
Willow road and Harvey road.
Willow road and Mill road.
Willow road and Woodlawn avenue.
Willow road, at Dickey's.

Total—45.

CIRCUIT No. 5.

Dean avenue and Hampshire lane.
Merrimack and Franklin.
Pleasant and Elm.
Depot and Franklin.
Elm and Spruce.
Elm east back and Spruce south back.
Spruce and Fifth Avenue lane.
Cedar and Chestnut.
Auburn and Chestnut.
Grove and Pine.
Green and Pine.
Summer and Pine.
Auburn and Pine.
Cedar and Pine.
Spruce and Pine.
Cedar and Union.
Auburn and Union.
Summer and Union.
Grove and Union.
Green and Union.
Valley and Beech.
Green and Beech.
Grove and Beech.
Auburn and Beech.
Cedar and Beech.
Cedar and Maple.
Auburn and Maple.
Auburn and Lincoln.
Cedar and Lincoln.
Auburn and Wilson.
Auburn and Hall.
Summer and Hall.
Green and Wilson.
Valley and Wilson.
Prescott and Wilson.
Harvard and Wilson.
Lincoln and Portsmouth railroad.
Hayward and Maple.
Silver and Lincoln.
Silver and Wilson.
Somerville and Wilson.
Somerville and Hall.
Harvard and Hall.
Valley and Hall.
Valley and Belmont.
Silver and Belmont.

Total—46.

CIRCUIT, No. 5.—TUNGSTENS.

Spring street.
Cedar and Wilson east back.
Valley and Lincoln.
Hayward and Lincoln.
Wilson, near Hayward.
Harvard and Maple.
Valley and Maple.
Somerville and Lincoln.
Wilson and Clay.
Belmont and Hayward.

Total—10.

CIRCUIT No. 6.

Spring and Hampshire lane.
Mechanic and Hampshire lane.
Stark street.
Market and Franklin.
Elm and Depot.
Massabesic and Belmont.
Massabesic and Old Falls road.
Summer and Dearborn.
Summer and Belmont.
Grove and Belmont.
Massabesic and Hospital avenue.
Dearborn and Taylor.
Valley and Taylor.
Young and Taylor.
Somerville and Taylor.
Dix and Taylor.
Cilley road and Taylor.
Vinton and Taylor.
Cilley road and Jewett.
Brooklyn avenue.
Somerville and Jewett.
Somerville and Cypress.
Young and Ainsworth avenue.
Hayward and Cypress.
Valley and Cypress.
Hayward and Riley avenue.
Valley and Jewett.
Massabesic and Jewett.
Massabesic and Cypress.
Massabesic and Dickey lane.
Massabesic and J. Hall road.
J. Hall road and Portsmouth railroad.
Mammoth road and Candia road.

Mammoth road and Young road.
Candia road and Woodbine avenue.
Page and Portsmouth railroad.
Total—36.

CIRCUIT NO. 6.—TUNGSTENS.

Market at 35.
Barry avenue and Spruce south back.
Chase avenue and Hayes avenue.
Cypress and Hospital avenue.
Massabesic and Taylor.
Grove, near Taylor.
Taylor, near Portsmouth railroad.
Taylor, at 181.
Spring View and Somerville.
Young, near Cypress.
Valley, at 869.
Foster avenue, at 20.
Jewett and Young.
Jewett, opposite 223.
Jewett and Merrill.
Riley avenue, opposite 74.
Prout avenue, at 91.
Oakland avenue and Mammoth road.
Knowlton and Hayward.
Mammoth road and Cilley road.
Island Pond road and Downing.
Island Pond road and Coleman.
Island Pond road and Dickey road.
Mammoth road and Island Pond road.
Southeast corner reservoir.
Cohas avenue and Dickey road.
Mammoth road and Cohas.
Mammoth road, at Lovering's.
Mammoth road and Moorsville road.
Mammoth road and Derry road.
Derry road and Dickey road.
Derry road and Cross road.
Derry road and L. Paige's.
Derry road and Corning road.
Corning road, at M. Paige's.
Revere street and Longwood avenue.
Oakland avenue and Woodbine avenue.
Oakland avenue and Woodland avenue.
Candia road, at 202.
Candia road and Woodland avenue.
Candia road, at 331.

Candia road and Cody avenue.
Candia road and Platts avenue.
Candia road and Paige street.
Glenwood avenue and Loveren street.
Candia road and Loveren street.
Candia road, at 725.
Candia road, at Annis'.
Candia road, at 937.
Candia road, at 991.
Candia road, at 1035.
Candia road and Proctor road.
Proctor road.
Lake Shore road and Miss Proctor's.
Lake Shore road and Proctor road.
Lake Shore road, at J. H. Paige's.
Lake Shore road, at pumping station.
Lake Shore road, at W. N. Moulton's.
Lake Shore road, at Frank Gagick's.
Lake Shore road, at W. F. Paige's.
Lake Shore road and Portsmouth railroad.
Hanover, at 1150.
Hanover and Proctor road.
Hanover, at 1268.
Hanover and Broadway avenue.
Broadway avenue at Ed Evers'.
Broadway avenue and Sherburne.
Smith corner.
Sherburne and Candia road.
Candia road, at J. H. Cram's.
Candia road, at Levi Proctor's.
Candia road, at C. E. Crombie's.
Candia road and Lake Shore road.
Candia road, at G. D. Sanborn's.
Candia road, at Frank Fox's.
Candia road and Turnpike road.
Turnpike road, No. 1.
Turnpike road, No. 2.
Turnpike road, No. 3.
Turnpike road and Bald Hill road.
Total—80.

CIRCUIT No. 7.

Langdon and Canal.
Dean and Canal.
Hollis and Canal.
Kidder and Boyden.
Bridge and Canal.

Bridge and Arkwright.
Charles street.
Spring and Canal.
Water street.
Elm and Water.
Elm and Amherst.
Mechanic and Canal.
Stark and Canal.
Market and Canal.
Middle and Canal.
Merrimack and Canal.
Middle and Franklin west back.
Middle and Franklin.
Merrimack and Elm.
Merrimack and Franklin west back.
Pleasant and Franklin west back.
Pleasant and Franklin.
Central and Elm.
Central and Franklin.
West Central, at 74.
Central and Canal.
Central and Bedford.
Depot and Canal.
Granite and Canal.
Central and Chestnut.
Lake avenue and Chestnut.
Park common.
Lake avenue and Union.
Spruce and Union.
Spruce and Beech.
Spruce and Maple.
Spruce and Lincoln.
Spruce and Wilson.
Spruce and Hall.
Spruce and Massabesic.

Total—40.

CIRCUIT NO. 7.—TUNGSTENS.

Canal and Brook.
Private way off Hollis.
Mechanic street.
Stark and Elm west back.
Pleasant street, west light.
Pleasant street, east light.
Central south back and Elm east back.
Barry avenue and Spruce north back.

Total—8.

CIRCUIT No. 8.

Hollis, west of Elm.
Bridge and Elm.
Hanover and Nutfield lane.
Elm and Market.
Merrimack common.
Merrimack and Chestnut.
Laurel and Laurel avenue.
Laurel and Pine.
Central and Pine.
Lake avenue and Pine.
Central and Union.
Laurel and Union.
Laurel and Beech.
Central and Beech.
Lake avenue and Beech.
Lake avenue and Maple.
Central and Maple.
Laurel and Maple.
Laurel and Lincoln.
Central and Lincoln.
Lake avenue and Lincoln.
Lake avenue and Wilson.
Central and Wilson.
Laurel and Wilson.
Massabesic and Lake avenue.
Lake avenue and Belmont.
Lake avenue and Beacon.
Spruce and Old Falls road.
Spruce and Beacon.
Spruce and Cypress.
Lake avenue, west of Cass.
Lake avenue and Canton.
Spruce and Canton.
Auburn and Canton.
Spruce and Kenney.
Lake avenue and Kenney.
Hanover and Grant.
Mammoth road and Isolation hospital.
Hanover and J. Hall road.
Lake avenue and J. Hall road.
Lake avenue and Mammoth road.
Mammoth road and Nelson.
Hanover and Lake avenue.
Hanover at 893.
Hanover and Paige.

Total—45.

CIRCUIT NO. 8.—TUNGSTENS.

Monadnock and Nutfield lanes.
Merrimack common, north walk.
Merrimack common, east walk.
Nelson and Jones.
Benton and Jones.
Benton and Mammoth road.
Auburn and J. Hall road.
Hanover and Gertrude.
Franklin Willey place.
Bridge and Elm east back.
Derryfield and Nutfield lanes.
Londonderry and Nutfield lanes.
Total—12.

CIRCUIT NO. 9.

Elm and Orange.
Elm west back and Winter place.
Kidder and Whitney.
Washington and Church.
Nutfield lane at C. F.
Hanover and Chestnut.
Manchester and Chestnut.
Manchester and Pine.
Merrimack and Pine.
Merrimack and Union.
Merrimack south back and Union.
Manchester and Union.
Manchester and Beech.
Merrimack and Beech.
Merrimack and Maple.
Manchester and Maple.
Hanover and Maple.
Amherst and Lincoln.
Hanover and Lincoln.
Manchester and Lincoln.
Merrimack and Lincoln.
Merrimack and Wilson.
Manchester and Wilson.
Hanover and Ashland.
Amherst and Ashland.
Manchester and Hall.
Merrimack and Hall.
Laurel and Hall.
Central and Hall.
Laurel and Belmont.

Merrimack and Belmont.
Laurel and Milton.
Central and Milton.
Central, west of Cass.
Laurel and Beacon.
Laurel and Cass.
Merrimack and Beacon.
Manchester and Milton.
Hanover and Beacon.
Amherst and Milton.
Amherst and Hubbard.
Amherst and Alfred.
Hanover and Highland.
Hanover and Alfred.
Lake avenue and Cass.

Total—45.

CIRCUIT NO. 9.—TUNGSTENS.

Hanover, between Pine and Union.
Laurel, at 427.
Central and Belmont.
Manchester and Belmont.
Merrimack and Cass.
Manchester, at 387.
Merrimack, at 425.
Merrimack, at 391.
Merrimack, at 328.
Merrimack, at 278.
Merrimack, at 228.
Manchester, at 307.
Hanover, at 394.
Chester, at 16.
Amherst, at 437.
Amherst and Belmont.
Amherst and Beacon.

Total—17.

CIRCUIT NO. 10.

Hanover and East High.
Nutfield and Seneca lanes.
Concord and Vine.
Amherst and Vine.
Concord common, west.
Concord common, east.
Amherst and Chestnut.
Concord and Chestnut.
Lowell and Pine.
Concord and Pine.

Amherst and Pine.
Hanover and Pine.
Hanover and Union.
Amherst and Union.
Amherst, at Y. M. C. A.
Concord and Union.
Lowell and Union.
Lowell and Walnut.
Concord and Walnut.
Hanover common.
Hanover and Beech.
Amherst and Beech.
Concord and Beech.
Lowell and Beech.
Lowell and Ash.
Concord and Ash.
Amherst and Ash.
Amherst and Maple.
Concord and Maple.
Lowell and Nashua.
East High and Nashua.
East High and Malvern.
East High and Jane.
East High and Ashland.
Lowell and Malvern.
Amherst and Dutton.
Concord and Dutton.
Concord and Derry.
Concord and Ashland.
Lowell and Ashland.
Lowell and Belmont.
East High and Hall.
Lowell and Hall.
Concord and Hall.
Amherst and Hall.
Hanover and Hall.
Hanover and Belmont.

Total—46.

CIRCUIT NO. 10.—TUNGSTENS.

Hanover, at 304.
Concord and Beacon.
Concord and Belmont.
Lowell and Beacon.
Lowell and South.
Maple and East High.

Total—6.

CIRCUIT No. 11.

Dean and Elm.
Myrtle and Elm.
Myrtle and Chestnut.
Pearl and Chestnut.
Pearl and Elm east back.
Bridge and Birch.
Bridge and Chestnut.
High and Chestnut.
Lowell and Chestnut.
Lowell and Birch.
High and Pine.
Tremont common.
Bridge and Pine.
Pearl and Pine.
Orange and Pine.
Myrtle and Pine.
Myrtle and Union.
Orange and Union.
Pearl and Union.
Bridge and Union.
High and Union.
Bridge and Walnut.
Pearl and Walnut.
Myrtle and Walnut.
Pearl and Beech.
Bridge and Beech.
Bridge and Ash.
Pearl and Ash.
Bridge and Maple.
Bridge and Nashua.
Bridge and Russell.
Arlington and Russell.
Arlington and Warren.
Bridge and Linden.
Arlington and Ashland.
East High and Buzzell.
Bridge and Hall.
Bridge and Belmont.
East High and Belmont.
East High and Beacon.
Bridge and Weston.
Concord and Weston.
Derryfield park.
Bridge and Mammoth road.
Old Bridge and Mammoth road.

Total—45.

CIRCUIT NO. 11.—TUNGSTENS.

Bridge and Beacon.
Highland and East High.
Bridge and Highland.
Bridge, east of Highland.
Bridge, west of Mammoth road.
Bridge and Buzzell.
Arlington and Morrison.
Arlington and Maple.
Pearl and Maple.
Ash, at 78.
Beech, at 593.
Walnut, at 86.
Orange and Walnut.
Orange and Clarke avenue.
Orange and Chestnut.
Total—15.

CIRCUIT NO. 12.

Brook and Elm.
Langdon and Elm west back.
Harrison and Elm.
Prospect and Elm east back.
Prospect and Chestnut.
Harrison and Chestnut.
Harrison and Pine.
Harrison and Hazel.
Prospect and Pine.
Prospect and Union.
Harrison and Union.
Harrison and Walnut.
Brook and Walnut.
Brook and Beech.
Harrison and Beech.
Prospect and Beech.
Myrtle and Beech.
Orange and Ash.
Prospect and Ash.
Harrison and Ash.
Brook and Maple.
Harrison and Maple.
Prospect and Maple.
Myrtle and Maple.
Orange and Maple.
Pearl and Oak.
Orange and Oak.
Prospect and Oak.

Harrison and Oak.
Harrison and Russell.
Prospect and Russell.
Myrtle and Russell.
Orange and Russell.
Pearl and Russell.
Pearl and Linden.
Orange and Linden.
Myrtle and Linden.
Prospect and Linden.
Harrison at 329.
Prospect and Hall.
Myrtle at 350.
Orange and Hall.
Myrtle and Belmont.
Pearl and Belmont.
Mead and Hall.
Pearl and Morrison.

Total—46.

CIRCUIT NO. 12.—TUNGSTENS.

Pearl and Ashland.
Rear Pearl street school.
Brook and Ash.
Orange and Beech.
Albert and Harrison.
Prospect and Walnut.

Total—6.

CIRCUIT NO. 13.

Sagamore and Elm.
Pennacook and Elm.
Blodget and Elm east back.
Brook and Chestnut.
Pennacook and Chestnut.
Salmon and Chestnut.
North and Pine.
Salmon and Pine.
Sagamore and Pine.
Pennacook and Pine.
Blodget and Pine.
Brook and Pine.
Brook and Hazel.
Brook and Union.
Blodget and Union.
Pennacook and Union.
Salmon and Union.

North and Union.
Liberty street.
Appleton and Union.
Clarke and Union.
Ray, between Appleton and Clarke.
Union, at 1028.
Carpenter and Union.
Trenton and Union.
Campbell and Union.
Whitford and Union.
Arrah, at 38.
Webster and Walnut.
North and Walnut.
Salmon and Walnut.
Sagamore and Walnut.
Blodget and Walnut.
Blodget and Beech.
Sagamore and Beech.
Salmon and Beech.
North and Beech.
Webster and Beech.
Blodget and Ash.
Sagamore and Maple.
Sagamore and Oak.
Blodget and Oak.
Blodget and Russell.
Sagamore and Smith road.
Sagamore and Russell.
Smith road and Webster.

Total—46.

CIRCUIT NO. 13.—TUNGSTENS.

Sagamore and Union.
Sagamore and Linden.
Chestnut and Blodget.
Chestnut and Sagamore.
Webster and Liberty.
North and Liberty.
Appleton and Ray.
Webster and Union.

Total city lights—8.

CIRCUIT NO. 14.

Pennacook and Canal.
Salmon and Canal.
Amoskeag bridge, east.
Amoskeag bridge, west.
Amoskeag and First.

North light in Eddy.
Amoskeag and Front.
Goffstown road and Front.
Goffstown road and Omega.
Goffstown road and Taggart.
Omega, at 85.
Front, at 367.
Front and Stearns lane.
Front and Dunbarton road.
Dunbarton road, at 158.
North and River road.
Webster and River road.
Munroe and River road.
Clarke and River road.
Otis and River road.
Park avenue and River road.
Park avenue and Crown.
Rowell and River road.
Trenton and Elm.
Carpenter and Elm.
Thayer and Elm.
Clarke and Elm.
Elm, at 1966.
Appleton and Elm.
Webster and Elm.
North and Elm.
Salmon and Elm.
Salmon and Bay.
North and Bay.
North and Chestnut.
Webster and Chestnut.
Appleton and Chestnut.
Chestnut at 855.
Carpenter and Chestnut.
Webster and Pine.
Appleton and North Adams.
North Adams, at 63.
Clarke and North Adams.

Total—43.

CIRCUIT No. 14.—TUNGSTENS.

Elm, near Rowell.
Trenton and Ray.
Bay, at 299.
Webster and Bay.
Chestnut, at 764.
Chestnut, at 916.

Chestnut, at 944.
Chestnut and Clarke.
Salmon, west of Elm.
Second and Mill, Amoskeag.
Bay, near North.
Appleton, east of Elm.
Waldo and Everett.
Stark park, south of middle entrance.
River road, at C. E. Rowell's.
River road, at C. E. Quimby's.
Thayer and River road.
Munroe, west of Elm.
Appleton, west of Elm.
Total—19.

TOTAL.

Arcs, 605. Tungstens, 265.

REPORT

OF THE

BOARD OF WATER COMMISSIONERS.

BOARD OF WATER COMMISSIONERS, 1911.

EDWARD C. SMITH, *Mayor, ex officio.*

CHARLES H. MANNING, *President*, term expires January, 1913.
PERRY H. DOW, term expires January, 1915.
EDGAR J. KNOWLTON, term expires January, 1916.
CHARLES M. FLOYD, term expires January, 1914.
WILLIAM COREY, term expires January, 1917.
ROBERT E. MCKEAN, term expires January, 1918.
ARTHUR E. STEARNS, *Clerk.*

OFFICERS.

CHARLES H. MANNING, *President.*
CHARLES K. WALKER, *Superintendent.*
ARTHUR E. STEARNS, *Registrar.*
JEROME J. LOVERING, *Engineer at Low Service Pumping Station.*
CHARLES A. WHITNEY, *Engineer at High Service Pumping Station.*

REPORT OF THE BOARD OF WATER COMMISSIONERS.

To the Honorable City Councils of the City of Manchester, N. H.:

GENTLEMEN:—The Manchester Water Commissioners herewith present their fortieth annual report for the year ending December 31, 1911, with the detailed report of the superintendent and registrar during the period.

FINANCIAL CONDITION.

Receipts and expenditures for the year have been as follows:

Received from water rents, etc.	$148,263.21	
Received from hydrant rentals	22,450.00	
Total receipts for 1911		$170,713.21
Amount paid for current expenses	$43,177.90	
Amount paid for construction expenses	82,975.80	
Amount paid for interest on water bonds	25,500.00	
Hydrant rentals set aside for sinking fund	22,450.00	
Set aside for sinking fund for payment of water bonds, state law, 1897 bonds	5,000.00	
Total expenditures		$179,103.70
Expenditures over receipts		$8,390.49
Amount on hand December 31, 1910	$81,864.94	
Expenditures over receipts, 1911	8,390.49	
Amount on hand December 31, 1911		$73,474.45

Respectfully submitted,

EDWARD C. SMITH, *ex officio.*
CHARLES H. MANNING, *President,*
CHARLES M. FLOYD,
EDGAR J. KNOWLTON,
WILLIAM COREY,
PERRY H. DOW,
ROBERT E. MCKEAN,
Water Board.

SUPERINTENDENT'S REPORT.

MASSABESIC LAKE.

There has been no land bought around the lake this season.

The water has been low, but not as low as it was last year.

An electric pump was installed at the old station and the water was supplied by this pump from the 23d of June until the 15th of December.

We are pumping by water power now, the water being twenty-two inches above the dam. For the electric pump the water was taken from the canal in a 24-inches cast-iron pipe, a distance of 609 feet.

The new pump house is built just north of the old one, the dimensions being 32 by 27 feet and the cost one thousand dollars.

We have bought enough 24-inches pipe to lay from the old station to the reservoir, but on account of other work that was needed more have not had time to lay it.

The electric pump has been a success in saving water. The power furnished has cost quite a bit, but the water saved has been a great satisfaction to the management of the plant.

I want to express my thanks to the committee on the electric pumps for the interest they have taken in this new addition. They relieved the superintendent of all care, and the contractors knew their business and installed it very quickly.

At the high service station we had another valve chamber put in to the Snow pump in place of one that was cracked.

Everything is going on well here. Mr. Sam McDonald is running the pumps and Mr. Whitney is the all-round manager, and is on the road between the pumping station and the reservoir a portion of the time. The force mains have stood the pressure well and there have not been many leaks.

We had a bad break on the low service main force just as we began to run the electric pump, but it was shut off quickly and did no damage outside of the line of pipe. We had to take out thirty feet of 20-inches pipe and put in cast iron.

DISTRIBUTION PIPE.

A 12-inches pipe was laid from Beech street to Union on North street and on North street from Elm to River road, River road to Amoskeag bridge, across the river on the Amoskeag bridge to McGregorville, by Amoskeag street, Montgomery, Mason, and Rimmon streets, on the land owned by the Amoskeag corporation.

It was laid on the grade as given us, which caused the digging of the trench from 5 feet to 19 feet. The bridge was crossed by a 12-inches wrought-iron pipe, made by the Amoskeag company and laid by them.

The water has not been let on by the high service yet, but will be soon.

We have had more men this year than we have ever had since the high service was built, and we have laid pipe in a number of places from Mosquito pond to the north end of Union street, about six miles.

PUMPING RECORD, LOW SERVICE STATION, 1911.

MONTHS.	Time, Davidson	Time, Wood.	Time, De Laval.	No. of strokes, Davidson.	No. of strokes, Wood.	Average strokes per minute, Davidson.	Average strokes per minute, Wood.	No. of gallons pumped by Davidson.	No. of gallons pumped by Wood.	No. of gallons pumped by De Laval.	Total gallons pumped.	Daily average.
January	105 55	28 55	.....	93,778	28,786	15.55	16.0	14,607,256	3,799,752	.....	18,407,008	657,393
February	98 15	.....	.....	84,386	.....	14.79	.....	12,724,309	.....	.....	12,724,309	673,384
March	76 30	....	.....	71,135	.....	15.36	.....	10,812,518	.....	.....	10,812,518	393,563
April	271 45	5 30	.....	300,635	5,188	17.51	15.7	45,696,520	684,836	.....	46,381,356	1,855,254
May	566 10	1 15	.....	620,365	1,338	18.23	17.7	94,274,480	176,616	.....	94,451,096	3,046,809
June	380 45	.....	87 55	415,019	.....	18.12	.....	63,082,888	.....	21,100,000	84,182,888	2,715,577
July	129 05	.....	355 35	157,024	.....	18.44	.....	23,871,168	.....	85,340,000	109,211,168	3,522,941
August	.....	.....	395 10	.....	.....	.....	.....	.....	.....	94,840,000	94,840,000	3,059,355
September	.....	.....	242 05	.....	.....	.....	.....	.....	.....	58,100,000	58,100,000	1,936,666
October	.....	.....	344 45	.....	.....	.....	.....	.....	.....	82,740,000	82,740,000	2,853,103
November	.....	.....	350 00	.....	.....	.....	.....	.....	.....	84,000,000	84,000,000	2,800,000
December	211 50	.....	204 00	.....	.....	19.56	.....	37,831,584	.....	48,960,000	86,791,584	2,800,000
Totals	1 842 25	35 40	1,979 30	1,742,352	35,312	.....	.....	302,900,723	4,661,204	475,080,000	782,641,927	.....

PUMPING RECORD, HIGH SERVICE SNOW ENGINE, 1911.*

MONTHS.	No. days pumping.	TOTAL PUMPING TIME PER MONTH.		Total number of strokes.	Average strokes per min.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pump'd per pound of coal.	No. d'ys pump'd into Low Service.	Hours.
		Hours.	Min.			Raising steam and banking.	Pumping.	Ashes and clinkers.	Total coal.				
January	31	369	05	737,236	33.0	24,294	147,408	17,159	171,702	87,731,084	595	31	349.40
February	28	366	20	721,122	32.7	21,996	143,536	16,542	165,532	85,813,518	598	28	360.15
March	31	407	25	804,930	33.0	24,560	155,388	17,984	179,948	95,786,670	617	31	402.20
April	23	233	55	454,489	32.0	20,078	86,534	10,652	106,612	54,084,191	625	14	166.15
May	28	143	35	276,104	32.0	22,216	50,540	7,265	72,756	32,856,376	653	1	13.
June	22	110	25	212,898	32.0	16,992	38,262	5,516	55,254	25,334,862	665	2	21.
July	30	158	25	303,712	32.0	23,146	53,452	7,649	76,598	36,141,728	677	.....	.....
August	31	128	05	243,254	31.8	23,410	43,162	6,638	66,512	28,947,226	672	.....	.....
September	31	228	25	415,780	31.7	23,054	75,348	9,828	98,402	49,477,820	662	17	204.
October	18	119	05	227,434	31.7	14,791	43,568	5,827	58,359	27,064,646	613	4	48.
November	16	78	15	147,469	31.5	16,959	28,852	4,573	45,811	17,548,811	609	.....	.....
December	17	83	20	156,351	31.5	21,926	30,294	5,212	52,220	18,605,769	613	.....	.....
	306	2 426	20	4,680,779	.....	253,422	896,284	114,845	1,149,706	559,392,701	.....	128	1,564.30

WORTHINGTON PUMPS, 1911.†

May	1	9	.....	21,292	39.3	688	2,870	355	3,558	1,171,060	408	.....	.....
June	8	58	.....	140,308	42.0	4,734	17,414	2,211	22,148	7,716,940	444	.....	.....
July	1	6	30	16,296	42.0	650	1,996	264	2,646	896,280	488	.....	.....
August	1	1	45	4,448	42.0	.....	712	71	712	244,640	343	.....	.....
October	1	5	15	18,894	41.0	852	1,674	252	2,526	709,170	424	.....	.....
November	1	5	20	13,199	41.0	744	1,656	240	2,400	725,945	438	.....	.....
December	1	4	30	11,704	43.0	768	1,462	223	2,230	643,720	440	.....	.....
	14	90	20	226,141	.....	8,436	27,784	3,616	36,220	12,107,755	.....	.....	.....

*513.25 tons of coal were used in pumping; 405½ gallons of oil; 476 pounds of waste.
†16.17 tons of coal were used; 10¾ gallons of oil: 18 pounds of waste.

RAINFALL AT HIGH SERVICE STATION, 1911.

Day of Month.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1											.04	
2	.09	*.46			.11				.11	.56	.05	
3	.19	*.06										
4	.47	*1.18								.38		
5				*.67								
6			*.13			.09	.26		.40			
7	*.04	*.25				.27	.02			.38	.73	
8									.03			
9	.16	*.04		*.46					.20			.04
10			*.14			.20					.04	
11						.04			.02			
12	.02					14						
13					.13	.56					.36	
14		*.15		.19		.28						
15			1.09						.09	.08	.98	*.55
16			*.14			.20		1.36	.17			.16
17		.21					.03	.03		.02		.36
18			*.23		.09			.69		.69	.79	
19					.30			.59		.75		
20		*.13	*.49				.05					
21										.45		
22						.02	.04		.21	.53		.15
23										.04		1.47
24					.38		.40				.49	
25					.57	.04	.58	.33			.07	
26	*.03							.49	.07			
27	.27		.26					.04		.06		.17
28	.71		.30				2.00	.29	.28			.04
29							.78	.72	.50		.08	
30	*.06		.97		.10				.15			
31								.45		.11		*.21
Totals	2.04	2.48	3.75	1.32	1.68	1.84	4.16	4.99	2.23	4.05	3.63	3.15

1895. Total rainfall, 42.06 inches.
1896. Total rainfall, 38.41 inches.
1897. Total rainfall, 49.76 inches.
1898. Total rainfall, 47.15 inches.
1899. Total rainfall, 36.27 inches.
1900. Total rainfall, 47.89 inches.
1901. Total rainfall, 47.47 inches.
1902. Total rainfall, 47.58 inches.
1903. Total rainfall, 40.39 inches.
1904. Total rainfall, 34.54 inches.
1905. Total rainfall, 39.13 inches.
1906. Total rainfall, 41.85 inches.
1907. Total rainfall, 42.54 inches.
1908. Total rainfall, 33.88 inches.
1909. Total rainfall, 36.54 inches.
1910. Total rainfall, 31.96 inches.
1911. Total rainfall, 35.32 inches.

* Snow.

Income from the Sale of Water, 1911.

Received for water by rate	$19,558.32	
for water by meter	126,217.18	
for water for building purposes	915.94	
from fines	425.00	
		$147,116.44
Received for pipe, etc	$59.60	
from Derryfield Co., 6-inches pipe and hydrant	260.25	
from People's Gas Light Co., 12-inches pipe, etc	150.99	
from Augustus Wagner, 1-inch service pipe	18.30	
from Boston & Maine railroad, repair to hydrant	44.00	
from C. H. Hill Co., gate, dome, and labor	9.00	
from New England Iron Co., old iron and brass	52.46	
from W. M. Parker, 6-inches pipe, etc.	90.00	
from Manchester Metal Co., old iron	10.00	
from Goffstown, N. H., gasket	12.00	
from Fred T. Ley & Co., 6-inches pipe and fittings	39.77	
from old life preservers	4.40	
		$750.77
Received from F. Brown, lease	$1.00	
from G. G. Griffin, lease	1.00	
from Burke Bros., lease	300.00	
from H. A. Salls for grass	10.00	
from George Blackman for grass	12.00	
from W. M. Moulton for rent	72.00	
		$396.00
		$148,263.21
From hydrant rentals, 1911		22,450.00
Total receipts		$170,713.21
Amount paid for current expenses	$43,177.90	
Amount paid for construction expenses	82,975.80	
Amount paid for interest on bonds	25,500.00	
Hydrant rental set aside for sinking fund	22,450.00	
State law (1897 bonds) set aside for sinking funds	5,000.00	
		$179,103.70
Expenditures over receipts		$8,390.49

Amount on hand December 31, 1910		$81,864.94
Expenditures over receipts, 1911		8,390.49
Amount on hand December 31, 1911		$73,474.45

CLASSIFICATION OF ACCOUNTS, 1911.

Superintendence, repairs, etc.	$21,164.08	
Stationery and printing	194.25	
Office and incidental expenses	1,323.70	
Pumping expenses (low service)	9,227.16	
Pumping expenses (high service)	9,276.86	
Repairs to buildings	259.16	
Repairs to canal, reservoir, etc.	1,732.69	
Total current expenses		$43,177.90
Force and supply main	$19,039.06	
Service pipes	5,404.97	
Distribution pipes	40,353.20	
Fire hydrants and valves	3,658.48	
Meters	3,275.76	
Land and water rights	175.00	
Dam, canal, and penstock	3,678.10	
Pumping machinery and buildings	7,391.23	
Total construction expenses, 1911		$82,975.80
Sinking fund for water bonds, issue 1897	$5,000.00	
Sinking fund for fire hydrants	22,450.00	
		$27,450.00
		$153,603.70

Total Construction Expenses.

Land and water rights	$422,981.28	
Dam, canal, penstock, etc.	105,077.26	
Pumping machinery and buildings	253,899.92	
Distribution reservoirs	117,697.90	
Force and supply main	108,808.08	
Distribution pipes	794,824.74	
Fire hydrants and valves	77,031.17	
Meters and fixtures	79,578.10	
Service pipes	107,285.06	
Grading and fencing	17,470.39	
Tools and fixtures	10,649.35	
Boarding and storehouses	919.36	
Roads and culverts	4,405.20	
Supplies	550.39	
Engineering	22,176.19	
Livery and traveling expenses	2,856.64	
Legal expenses	563.79	
		$2,126,774.82

Total Current Expenses.

Superintendence and repairs	$572,412.38	
Stationery and printing	9,866.80	
Office and incidental expenses	49,961.51	
Pumping expenses (low service)	98,568.90	
Pumping expenses (high service)	100,372.26	
Repairs to buildings	13,746.65	
Repairs to dam, canal, and reservoir	21,068.11	
		$865,996.61
Interest	$40,678.51	
Highway expenses	14,000.53	
		54,679.04
		$3,047,450.47
Interest, discount, and labor performed on highway transferred, and tools and materials sold	$95,454.60	
Current expenditures to December 31, 1911	865,996.61	
		$961,451.21
Total cost, exclusive of interest and current expenses		$2,085,999.26
Interest and discount to December 31, 1910	$1,331,999.51	
Interest for 1911	25,500.00	
		$1,357,499.51

AMOUNT OF WATER BONDS ISSUED TO DECEMBER 31, 1911.

Issued January 1, 1892, rate 4%, due January 1, 1912	$100,000.00
August 1, 1893, rate 5%, due August 1, 1913	100,000.00
November 1, 1893, rate 4½%, due November 1, 1913	100,000.00
October 1, 1894, rate 4%, due October 1, 1914	50,000.00
July 1, 1895, rate 4%, due July 1, 1915	100,000.00
December 16, 1895, rate 4%, due December 16, 1915	50,000.00
January 1, 1897, rate 4%, due January 1, 1917	100,000.00
	$600,000.00

SINKING FUND.

1893	$12,750.00
1894	13,925.00
1895	15,800.00
1896	16,800.00
1897	17,175.00
1898	17,675.00
1898	5,000.00
1899	5,000.00
1899	18,100.00
1900	18,425.00

1900		$5,000.00
1901		5,000.00
1901		18,575.00
1902		18,800.00
1902		5,000.00
1903		5,000.00
1903		19,200.00
1904		19,450.00
1904		5,000.00
1905		5,000.00
1905		19,550.00
1906		5,000.00
1906		20,075.00
1907		20,625.00
1907		5,000.00
1908		5,000.00
1908		20,925.00
1909		21,275.00
1909		5,000.00
1910		5,000.00
1910		22,025.00
1911		22,450.00
1911		5,000.00
		$423,600.00
Interest, etc., to December 31, 1910		74,457.20
Interest, etc., for 1911		6,069.82
		$504,127.02
Paid for retiring bonds January 1, 1902	$100,000.00	
Paid for retiring bonds January 1, 1907	100,000.00	
Paid for retiring bonds July 1, 1910	100,000.00	
		300,000.00
Total December 31, 1911		$204,127.02

STATEMENT OF RECEIPTS.

Year.	Total.	Hydrant rent.	Water by rate.	Water by meter.	Received for building purposes.	Fines.	Labor, pipe, and materials sold.	Rentals and buildings sold.	No. of meters.
1872	$573.61	.....	.....	.....	.....	.....	.....	.....	.....
1873	2,097.60	.....	$1,692.69	$190.84	.....	$14.00	$200.67	.....	8
1874	32,154.07	$22,425.00	7,987.27	1,436.56	$119.10	104.18	699.85	.....	98
1875	29,223.60	13,095.00	10,292.13	3,348.11	122.13	120.59	2,245.64	.....	160
1876	39,028.47	16,320.00	15,900.63	6,305.81	72.32	180.16	249.55	.....	166
1877	43,823.30	17,475.00	18,064.51	7,783.09	136.10	233.04	131.56	.....	202
1878	48,874.26	17,970.00	20,255.97	10,090.25	83.60	232.82	241.62	.....	226
1879	53,143.17	18,165.00	21,610.13	12,732.93	81.60	240.64	303.87	.....	251
1880	57,655.25	18,300.00	23,795.96	14,794.34	79.50	210.39	465.06	$10.00	280
1881	60,215.62	18,780.00	25,336.18	15,554.98	105.60	223.99	203.87	11.00	310
1882	67,630.13	20,130.00	26,803.06	19,898.69	146.65	197.49	443.24	11.00	371
1883	73,458.20	20,520.00	28,838.24	23,431.20	314.65	208.04	125.07	21.00	404
1884	75,580.08	21,350.00	31,724.07	21,329.75	195.10	231.96	738.20	11.00	446
1885	80,404.12	18,900.00	33,597.02	27,425.35	102.50	186.80	181.45	11.00	486
1886	75,129.99	19,750.00	33,062.11	21,573.45	287.40	130.80	320 23	6.00	613
1887	80,518.17	20,437.50	33,497.21	25,277.09	351.70	119.20	819.47	16.00	739
1888	85,643.82	21,000.00	33,864.78	29,838.82	543.80	149.80	243.62	3.00	842
1889	86,700.46	18,240.00	34,140.99	33,596.05	361.95	153.20	155.27	53.00	951
1890	90,463.37	19,880.00	32,431.10	37,009.80	649.90	151.80	298.77	42.00	1,135
1891	76,605.23	4,590.00	30,588.79	40,479.25	494.80	160.40	200.99	91.00	1,313
1892	83,474.79	5,000.00	31,344.24	46,139.35	416.00	168.40	139.80	267.00	1,608
1893	104,170.08	12,750.00	32,603.59	58,103.20	1,033.75	159.60	339.38	180.56	1,895
1894	110,210.29	13,925.00	32,176.28	62,501.35	697.80	227.40	334.82	347.64	2,182
1895	118,374.50	15,800.00	32,903.99	67,465.90	808.20	300.40	768.17	327.84	2,520
1896	128,907.03	16,800.00	32,540.03	77,610.10	638.48	302.80	440.12	575.50	2,865
1897	125,719.17	17,175.00	30,647.17	76,148.60	331.85	321.80	627.08	467.67	3,134
1898	131,184.08	17,675.00	29,409.58	80,643.30	187.00	359.80	441.90	2,467.50	3,340
1899	133,436.41	18,100.00	28,063.34	85,764.80	246.80	363.80	400.59	497.08	3,502
1900	138,241.94	18,425.00	27,868.85	91,079.30	95.80	397.80	232.59	142.60	3,667
1901	138,206.14	18,575.00	26,954.99	91,382.60	220.30	437.60	410.90	224.75	3,804
1902	134,331.48	18,800.00	23,785.49	90,479.10	233.34	434.00	358.25	241.25	3,983
1903	128,416.23	19,200.00	21,539.64	85,954.05	253.90	407.00	137.64	924.00	4,101
1904	133,057.47	19,450.00	20,486.64	88,639.41	161.28	369.20	808.12	3,142.82	4,220
1905	136,353.07	19,550.00	20,230.99	92,438.70	250.66	366.00	1,437.09	1,779.63	4,356
1906	139,820.76	20,075.00	20,154.51	94,345.90	277.86	354.40	368.88	4,244.21	4,525
1907	144,433.45	20,625.00	19,727.23	101,758.05	250.20	398.80	991.17	683.00	4,668
1908	147,561.52	20,925.00	19,555.20	104,431.90	340.26	361.80	567.86	1,379.50	4,777
1909	153,761.50	21,275.00	19,870.47	110,520.95	260.20	372.00	350.68	1,112.20	4,915
1910	159,900.80	22,025.00	19 435.90	116,166.00	322.60	398.00	514.20	1,038.50	5,127
1911	170,713.21	22,450.00	19,558.32	126,217.18	915.94	425.00	1,264.97	1,434.50	5,371

1878, meter rate was changed. 1884, hydrant rates reduced. 1886, meter and other rates reduced. 1889, hydrant rates reduced. 1891 and 1892, received only part of hydrant rent, and nothing from water-troughs or street sprinklers. 1893, hydrant rent and water-closets rate reduced. July 1, 1902, rates reduced. Meter rate reduced October 1, 1904. Rates reduced October 1, 1911.

The following amounts have been paid over to the city treasurer, and credited to the water-works:

1872, supplies and materials sold	$573.61
1873, supplies and materials sold	177.07
accrued interest on water-bonds sold	193.26
accrued interest on state bonds sold	146.00
water rents	1,920.53
1874, supplies and materials sold	607.89
March 12, highway expenditures transferred from water account	14,000.53

March 17, interest and discount transferred from water account	$12,347.25
1874, September 1, interest and discount transferred from water account	22,361.74
water and hydrant rent	30,233.54
December 29, interest transferred	4,566.25
1875, water and hydrant rent	27,119.15
sundry items	2,104.45
1876, water and hydrant rent	38,879.47
sundry items	149.00
1877, water and hydrant rent	43,691.74
sundry items	131.56
1878, water and hydrant rent	48,632.64
sundry items	241.62
1879, water and hydrant rent	52,839.30
sundry items	303.87
1880, water and hydrant rent	57,180.19
sundry items	475.06
1881, water and hydrant rent	60,000.75
sundry items	214.87
1882, water and hydrant rent	67,175.89
sundry items	454.24
1883, water and hydrant rent	73,312.13
sundry items	146.07
1884, water and hydrant rent	74,830.88
sundry items	749.20
1885, water and hydrant rent	80,211.67
sundry items	192.45
1886, water and hydrant rent	74,803.76
sundry items	326.23
1887, water and hydrant rent	79,682.70
sundry items	835.47
1888, water and hydrant rent	85,397.20
sundry items	246.62
1889, water and hydrant rent	86,492.19
sundry items	208.27
1890, water and hydrant rent	90,122.60
sundry items	340.77
1891, water and hydrant rent	76,213.24
sundry items	291.99
1892, water and hydrant rent	83,067.99
sundry items	406.80
1893, water rents	90,900.14
sundry items	519.94
1894, water rents	95,602.83
sundry items	682.46
1895, water rents	101,478.49

1895,	sundry items	$1,096.01
1896,	water rents	111,091.41
	sundry items	1,015.62
1897,	water rents	107,449.42
	sundry items	1,094.75
	premiums on bonds	6,248.00
1898,	water rents	110,599.68
	sundry items	2,909.40
1899,	water rents	114,438.74
	sundry items	897.67
1900,	water rents	119,441.75
	sundry items	375.19
1901,	water rents	118,995.49
	sundry items	635.65
1902,	water rents	114,931.93
	sundry items	599.55
1903,	water rents	108,154.59
	sundry items	1,061.64
1904,	water rents	109,656.53
	sundry items	3,950.94
1905,	water rents	113,386.35
	sundry items	3,416.72
1906,	water rents	115,132.67
	sundry items	4,613.09
1907,	water rents	122,134.28
	sundry items	1,674.17
1908,	water rents	124,689.16
	sundry items	1,947.36
1909,	water rents	131,023.62
	sundry items	1,462.88
1910,	water rents	136,323.10
	sundry items	1,552.70
1911,	water rents	147,116.44
	sundry items	1,146.77
		$3,524,146.83

PIPES LAID, GATES AND HYDRANTS SET, 1911.

STREETS.	Size of Pipe Laid.					Gates Set.					Hydrants.	Location.
	4 in.	6 in.	8 in.	16 in.	12 in.	4 in.	6 in.	8 in.	10 in.	12 in.		
Amoskeag					*775	1				1		*Wrought-iron pipe.
"		12			2,920		1			3	1	River road to Montgomery.
Alpine		262					1					North of Dickey.
Ash		367					1					North of Sagamore.
Avon		340					1				1	South of Dickey.
Blair		320					1					West of Brown avenue.
Buzzell		65										Southward near Lowell street.
Byron				336					1			Across the B. & M. R.R.
Cartier		128										Southward 114 ft. south No. 146.
Congress		250					1					South of Amory.
Corning		1,586					3				2	South of Derry road.
Cypress		398										Holly to Vinton.
Derry road		3,949					5				2	Dickey road to Corning.
Edmond		140										West of Henrietta.
Erie		424					1				1	West of South Main.
Hall		227					1					South of Cilley road.
Hanover							1					Corner Lake avenue.
Henrietta		24										Northward.
High (East)		314					1					East of Highland.
Hillcrest (West)		314										Eastward to ledge.
" (East)		468					1					West of Calef road.
Holly		808					2				1	Taylor to Cypress.
Kelley		213										West of Lafayette.
Main (South)				344					1			South of Omega.
Mason		8			546		1			1	1	Montgomery to Rimmon.
Massabesic		54					2				1	Near Porter street.
Monroe		225					1					East of North River road.
Montgomery		227					1					North of Bremer.
"					2,721							Amoskeag to Mason.
North					100							East of Union.
"		8			929		1			2	1	Elm to North River road.
North River road		37			480		1					Salmon to North.
" " "		49	7,325				5	7			7	Rowell to Union.
Palmer		48					1				1	West to North River road.

Ray		532					2					North of Carpenter.
Rimmon			236									North of Bremer.
"					809					1		South of Mason.
Russell		150					1					North of Blodget.
Savage		38					1				1	West of North River road.
Spring View	156					1						North of Somerville.
Sylvester		170					1					South of Worthley road.
Taggart			413					1				Goffstown road to Amoskeag.
Union		8									1	Hydrant near North.
Vinton		1,249					2				2	East of Willow.
Walnut							2					Corner of North.
Ward		44					1				1	West of North River road.
Woodlawn		222					1					Northward (Goffe's Falls).
	156	13,673	7,974	680	9,280	2	45	8	2	8	21	Total pipe laid, 31,763 feet; or 6.0157 miles.

200 feet 20 inches cement lined relaid with cast iron on Massabesic street.
50 feet 20 inches cement lined relaid with cast iron on Cohas avenue.
540 feet 4 inches on Chestnut street (Lake avenue to Auburn) changed to 6-inch pipe.
4 inch gate on Chestnut street, corner Lake avenue, changed to 6 inch.
210 feet of 8 inch on Byron street lowered.
60 feet of 6 inch on Josselyn street lowered.

LOCATION OF GATES SET, 1911.

Amoskeag street, east end of Amoskeag bridge, 12-inch.

Amoskeag street, 9 feet west of east side of Front street, 12-inch.

Amoskeag street, west side of Front or 96 feet from east side, 12-inch.

Amoskeag street, east line of Taggart street, 12-inch.

Amoskeag street, 10 feet from hydrant corner Taggart street, 6-inch; 4-inch blow-off.

Alpine street, north line of Dickey street, 6-inch.

Ash street, north line of Sagamore street, 6-inch.

Avon street, south line of Dickey street, 6-inch.

Blair street, west side of Brown avenue, 6-inch.

Byron street, west line of Boston & Maine railroad, 10-inch.

Congress street, south line of Amory street, 6-inch.

Corning road, 14 feet north of hydrant and 17 east of hydrant, 6-inch.

Corning road, 11 feet from hydrant, 6-inch.

Corning road, 4 feet from hydrant, 6-inch.

Derry road, corner Dickey road, 6-inch.

Derry road, 10 feet east of hydrant and 14 feet north of hydrant, 6-inch.

Derry road, 8 feet from hydrant, 6-inch.

Derry road, corner Corning road, 38 feet east from hydrant, 6-inch.

Derry road, 6 feet, 4 inches from hydrant, 6-inch.

Erie street, west line of South Main street, 6-inch.

Hall street, south line of Cilley road, 6-inch.

Hanover street at blow-off at Brook from Stevens pond, 6-inch.

East High street, east line of Highland street, 6-inch.

Hillcrest avenue, west line of Calef road, 6-inch.

Holly avenue, east line of Taylor street, 6-inch.

Holly avenue, west line of Cypress street, 6-inch.

South Main street, south line of house No. 686, 10-inch.

Mason street, corner Rimmon street, west line, 12-inch.

Mason street, 5½ feet from hydrant, 6-inch.

Massabesic street at Cemetery brook, 3 feet from hydrant, 6-inch.

Massabesic street at Cemetery brook, 7 feet east of hydrant, 6-inch blow-off.

Monroe street, east line of North River road, 6-inch.

Montgomery street, north line of Kelley street, 6-inch.

North street, west line of Elm street, 12-inch.

North street, east line of North River road, 12-inch.

North street on hydrant branch corner Elm street, 6-inch.

North River road, north side of Rowell street, 8-inch.

North River road on line of wall between Rowell street and Industrial school land, 8-inch.

North River road, south line of Palmer street, 8-inch.

North River road, north line of Savage street, 8-inch.

North River road, east side of Arizona street, 8-inch.

North River road, 3½ feet from hydrant front of Doctor Brown's red house, 6-inch.

North River road, 3 feet from hydrant front of Stark schoolhouse, 6-inch.

North River road, front of Farrell residence, 8-inch.

North River road, 4½ feet from hydrant front of Farrell residence, 6-inch.

North River road, 5 feet from hydrant near Preston residence, 6-inch.

North River road, 4 feet from hydrant corner Union street, 6-inch.

North River road, west line of Union street, 8-inch.

North River road, 20 feet north of north side of Salmon street (blow-off), 6-inch.

Palmer street, 2 feet west from west line North River road, 6-inch.

Ray street, south line of Trenton street, 6-inch.

Ray street, north line of Carpenter street, 6-inch.

Rimmon street, north line of Bremer street, 12-inch.

Russell street, north line of Blodget street, 6-inch.

Savage street, west line of North River road, 6-inch.

Spring View avenue, south side of Somerville street, 4-inch.

Sylvester street, south line of Old Mast road, 6-inch.

Taggart street, south line of Goffstown road, 8-inch.

Vinton street, east side of Willow street, 6-inch.

Vinton street, east side of Lincoln street, 6-inch.

Walnut street, north line of North street, 6-inch.

Walnut street, south line of North street, 6-inch.

Ward street, west line of North River road, 6-inch.

Woodlawn avenue, 9 feet north and 8 feet east of hydrant, 6-inch.

LOCATION OF HYDRANTS SET, 1911.

Amoskeag street, northeast corner Taggart.

Avon street, northwest corner Ingalls street.

Corning road, front of Paige's cottage.

Corning road, corner of Derry road.

Derry road, 2,438 feet from Dickey road to first hydrant, which is 81 feet west of house owned by Milton Paige; 1,632 feet from hydrant to intersection of Derry and Corning roads; 224 feet from intersection east to hydrant; 45 feet from intersection down Corning road to hydrant in front of Mosquito pond schoolhouse; 1,501 feet from schoolhouse down Corning road and Conant road to hydrant near Milton Paige residence.

Erie street, 30 feet west of No. 51.

Holly avenue, northwest corner Cypress street.

Mason street, corner Rimmon street.

Massabesic street at Cemetery brook, near Porter.

North street, northwest corner Elm street.

North River road, 9 feet south of wall between Industrial school and Rowell street.

North River road, 90 feet north of Brown house.

North River road, corner Arizona street.

North River road, front of Doctor Brown's red house.

North River road, front of Farrell residence.

North River road, 50 feet east of Preston residence.

North River road, northwest corner Union street.

Palmer street, northwest corner North River road.

Savage street, northwest corner North River road.

Union street, 10 feet north of North street.

Vinton street, northwest corner Lincoln street.

Vinton street, northwest corner Wilson street.

Ward street, northwest corner North River road.

SERVICE PIPES LAID, 1911.

269	1-inch diameter	6,933.0 feet
1	1½-inch diameter	15.0 "
2	3-inch diameter	119.7 "
1	6-inch diameter	.....
273		7,067.7 feet

SERVICE PIPES RELAID, 1911.

52	¾-inch diameter	1,315.0 feet to 1-inch diameter..	1,303.8 feet
1	¾-inch diameter	18.7 feet to 1½-inch diameter	17.0 "
100	1-inch diameter	2,637.9 feet to 1-inch diameter..	2,638.9 "
2	1-inch diameter	55.3 feet to 1½-inch diameter	51.9 "
1	1-inch diameter	35.0 feet to 2-inch diameter..	21.0 "
1	1¼-inch diameter	17.0 feet to 1¼-inch diameter	17.0 "
1	1¼-inch diameter	36.5 feet to 1½-inch diameter	35.0 "
158		4,115.4 feet	4,084.6 feet

SERVICE PIPES LAID TO DATE.

10	½-inch diameter	207.7 feet
284	¾-inch diameter	7,583.1 "
6,558	1-inch diameter	165,796.8 "
16	1¼-inch diameter	712.4 "
44	1½-inch diameter	1,177.7 "
104	2-inch diameter	2,691.6 "
2	2½-inch diameter	63.0 "
9	3-inch diameter	262.5 "
20	4-inch diameter	438.7 "
30	6-inch diameter	.....
7,077		178,933.5 feet

METERS.

The number of meters set during the year has been two hundred and fifty-one (251).

Taken out, seven (7).

Total number of meters in use is fifty-three hundred and seventy-one (5,371).

Number of applications for water, 1911, was two hundred and seventy-five (275).

Total number of applications to date, seventy-two hundred and twelve (7,212).

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.		
High service Main*			4256			153		43		3			2		2			2
Force main, C. I. J. (L. S.)	1226		193							2								
Force main, C. J. (L. S.)	6683	63	374					75		2					3		2	3
Supply main † (L. S.)	7849	126	561			28		54		1			1		7		1	4
Adams, north								1308							3			
Alfred								340							1			1
Agawam							227							1				
Appleton								1694							3			4
Amherst							1010	4394						2	8			13
Arlington								1765							3			4
Ash								1620	954						5	2		1
Ashland						2264							3					
Auburn							1010	4104						1	8			13
Baker								2624							5			5
Bay								2711							6			2
Beacon								2101							4			1
Bedford						73		792					1		3			3
Beech					12194		7012	107				16		9	4	1	1	12

Belmont							1111	6839						2	13			8
Bell								1396							4			5
Birch								501							2			2
Blair								320							1			
Blodget								1534							2			4
Bridge							5482	4316						10	10			21
Bridge (old)								282							2			1
Brook								3725							7			9
Brown avenue						9321	1919	2918					4		11			13
Buzzell								249	156						1	1		
Byron						336	1018						1	2				2
Calef road						4028	2952	732	312				4	1	4	1		5
Canal					226		6597	52						10				3
Candia road				7201		3316		156		1			4		7		2	10
Canton								771							1			1
Carpenter								1431							2			2
Cass								495							2			
Cedar							1010	3651						1	8			12
Central							1192	6234						2	12			18
Chase avenue								520							2			1
Cheney place									238									
Chestnut							1527	5489	1384					6	15	7		10
Concord							1010	4854						1	9			14

* High service station to Fletcher's crossing. † From old reservoir by Mammoth road and Massabesic street to Lake avenue.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in	14 in.	12 in.	10 in.	8 in	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in		
Church									147									
Cilley							1213	1389						1	3			1
Clarke								1949							3			4
Clay								2268							5			5
Clough								258							1			
Cohas							390							1				
Corning								1586							3			2
Crown							344	4										1
Cypress								2746							7			4
Davis							175											
Dean								764							2			3
Dearborn								670							1			1
Delaware								354							1			1
Depot				835				29			1				2			2
Derry									147									
Derry road							807	3961						1	6			3
Derryfield Shoe Co								542							2			1
Dickey road							288	7						1	1			1
Dix								2075							6			4

Dutton									471						1			
East High								3603						6				7
Edgemere								354						1				
Elm				12642	4134			347			17	4		10		1		10
Elm avenue									384									
Elmhurst								407						1				
Everett									355						1			
Foster avenue									308						1			
Franklin								1130						4				1
Garmon								347						1				1
Gertrude								324						1				1
Glendale								257						1				1
Glenwood								1017						3				2
Gore								1910						5				4
Gold								512						1				1
Granite				619			290	832			2		2	2				4
Green								1377						3				4
Grove, M. corp								231										
Grove, E. Manchester								1735						5				4
Hall							1025	2189					1	6				3
Hall road								1711						2				3
Hancock								1201						3				3
Hanover						1410	1010	6291				3	3	12				17
Hanover road						4569		79				1		2				2

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.— *Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Harrington								175							1			
Harrison								4682							10			11
Harvard								2148							4			3
Hayes avenue								472							1			1
Hayward					677			6862				1			10			14
Hazel									434							1		
High									858							3		
Highland								686							2			
Highland Park								1040							1			1
Hillcrest								1054							2			
Hollis								756							3			3
Holly								1384							3			3
Hosley								532							1			
Hospital								192										1
Howe								1531							4			3
Hubbard								376							1			1
Jane									637							2		
Jewett							1863	623						2	2			3
Jones								471							1			

Josselyn								539						1			1
Kennedy								517						1			1
Kidder								750						3			3
Kidder's Court								57	185					8			1
Knowlton								503						1			
Lake avenue	4354	45	104					4329		3				10		1	12
Langdon								460						2			2
Laurel								5748						10			13
Liberty								657	238					1			1
Lincoln								147	208					1	1		
Lingard								460						1			1
Londonderry road							3606	752						2			6
Longwood								1157						2			2
Lovering								364									
Lowell						7570	32	94				8		10	1		12
Malvern									907						3		
Mammoth road			7724					998		4				8		4	5
Mammoth road *							3461	36					3	4			4
Manchester							1010	4400					2	8			12
Maple						1437		2182	752			3		6	1		3
Maplewood								206									
Market								962						3			3
Massabesic			915					250		2							

* South of Cohas avenue.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Mead								362							1			
Mechanic								788							2			3
Merrill								377							1			
Merrimack							1550	6695						2	14			19
Merrimack to Laurel								250							2			
Middle								768							2			2
Mill avenue						84	464	6							1			1
Mitchell								1354							2			
Monroe								646							2			1
Morrison								370										
Myrtle							938	4319						1	9			13
Mystic								1050							1			1
Mystic avenue								498							1			1
Nashua									570							1		
Nelson								578							2			2
Norfolk								577							2			1
North					2971			89				4			3			5
North River road					480		11494	1210						13	7			14

Oakland								969						4			2
Old Falls road								562									1
Old Falls avenue								338						1			2
Orange							930	4039					1	9			13
Orchard avenue								1095						2			2
Page								1653						2			4
Palmer								48						1			1
Park avenue								250						1			
Pennacook								1570						2			4
Pearl							1012	4076					2	9			4
Pennsylvania avenue								29						1			1
Pine							7516	2089					11	5			6
Platts avenue								200						2			
Pleasant								1076						3			4
Porter						1220		592				1		3			1
Prescott								318						1			1
Proctor road							1106						1				
Prospect								4640					1	9			13
Prout avenue								300						1			
Ray								1386						4			2
Revere avenue								1018						3			
Riley								593						1			
Rosedale								435						1			1
Rowell							303	17					1	1			

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Russell								900							3			
Sagamore								3466							5			8
Salisbury								388							1			1
Salmon								275										1
Savage								38							1			1
Shasta								2348							6			4
Silver								3543							5			5
Somerville					5185			1026				8			5			9
South								97	476						1	1		
Spring								752							2			3
Spring View									156							1		
Spruce							650	6165						1	8			14
Stark								874							2			3
State								1029							4			3
Stevens								325							1			
Summer								1702							5			4
Taylor								4762							7			5
Thayer								305							1			

Titus							1493	76						2	1			3
Trenton							1192	18						2				2
Union							2335	6763	319					2	13	2		8
Valley			3641	1923	2096			246		1	1	2			7			11
Victoria							256							1				
Vine								39	340							2		1
Vinton							138	1939							3			3
Walnut							522	3140	1122						8	4		6
Ward								44							1			1
Washington									351							2		
Water								736							2			2
Wayland								202							1			1
Webster								3338							6			7
Welch avenue								10	328							1		
Wellington avenue								1228							2			1
Weston								1027							3			
Wilson						6137		10					11		1			1
Willow							6028	656	550					7	4	2		8
Woodbine								537							1			1
Woodland avenue								1212										3
Woodlawn or South Rd.								1207							2			2
Young								2079							3			2
WEST SIDE OF RIVER.																		
A								836							1			3

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Abbott								133										
Adams								410							1			2
Alpine								274							1			
Allen							772	9						1				1
Alsace								1616							4			1
Amoskeag road					3695			12				4			1	1		1
Amory (north)							2342	27						2				3
Amory (south)							2836	47						5				7
Avon								1032							2			2
B								606							1			
Bank								304							1			1
Barr								254	260						1	1		
Bartlett							1801	28						1				3
Bath								517							1			2
Bedel								326										
Bell								565							2			
Bennington								48							1			1
Bismarck								1036							1			1
Blaine								1573							3			3

Boutwell								1687							4			2
Bowman								835	623						2	1		1
Boynton road							2739	2287						1	2			6
Bremer								1513							3			1
Bridge							580							1				
Brock								242							1			
C								637							2			2
Carroll								882							1			1
Cartier								3411							4			2
Charlestown avenue								790							2			1
Clement								304							1			1
Cleveland								1482							2			1
Clinton								563							2			2
Colby							253							1				
Columbus								283							1			
Congress								250							1			
Coolidge avenue							1176							2				
Conant								1791							2			5
Cumberland								663							1			1
D								304							1			
Dartmouth								769							1			1
Davignon								235							1			
Dickey								929							1			2
Donahue								451							1			1

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.— *Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.		
Donald							963	552						1	1			2
Douglas								2089							4			7
Dover									622							2		
Dubuque								3076							5			1
Dunbarton								1210							1			1
Erie							435	424						1	1			1
Edmond								140										
Eddy road						2922	14	10					2	1	1			1
Essex								666							1			2
Ferry																		
Forest								1554							2			1
Fourth								218							1			
Frederic								736							2			1
Front						1094	2514	41						2				5
George							391	477							1			2
Gifford							802	4						1				1
Glenwood								292										
Goffs								825							2			
Goffstown road								2674							3			5

Granite						900	620	1609	177				2	1	3	1		9
Green								260	260						1	1		
Hancock								1710							2			3
Harriman								281							1			
Harvel								50							1			
Head								1249							3			2
Henrietta								414							1			1
Hevey								2071							6			2
Highland								524							1			1
Hiram								256										1
Huntress								792										
Joliette								1484							4			2
Kearsarge								843							1			1
Kelley								3470							3			10
Koehler								1268							2			1
Laval								1742							4			3
Lafayette								991							3			
Log								230										
Log back street								283							1			
Main						11353	3786	54					15	2	2			6
Marion								290							2			2
Mason					546			8				1			1			1
Mast								3849							3			8
Mast (new)							3812	1838						4	2			7

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.		
McDuffie								527							1			2
McGregor							150	2167						1	3			3
McNeil								206							1			
Mills								586							2			3
Milford								2849							3			6
Milford lane								232							1			
Monitor								504							1			
Monmouth									204									
Montgomery					2721			1303							4			
Morgan								288							1			
Notre Dame								3603							5			1
Omega								274	643						1	1		2
Oneida								738							1			1
Parker								5	1048							2		
Parker avenue									180							1		
Pinard								445							1			1
Piscataquog river							477							2		1		
Prince								598							1			2
Putnam								1490							5			2

Quincy								264	260						1	1		
Railroad								1606							2			1
Reed								481							1			1
Riddle								945							1			1
Rimmon					809		455	2575				1		1	4			1
Robie								836							1			1
Rochelle								285							1			
Rockland								2727							4			2
School								995							2			3
Second								6032							11			10
Schiller								566							1			1
Schuyler								215							1			1
Sheridan								758							1			1
Sherman								429							1			1
Shirley Hill road								654							1			
Sullivan								361	399						2	1		3
Sylvester								170							1			
Taggart							413							1				
Third								442	357						2	1		1
Thornton								1776							2			3
Tilton								110	387							1		
Turner							1217	12	240					3	1			
Varnum								80							1			1
Walker								1308							2			4

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1911.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in	10 in	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Ward								606							1			
Warner								1265							2			1
Wayne								923							2			3
Wentworth								837										1
West								517	536						1	2		1
Wilkins								1850							2			4
Williams								250	208							1		
Wilton								283							1			1
Winter								1398	20						1	1		3
Woodbury								44							1			
Youville								626							3			2
Supply main*					3300			24				4			2	1		2
Total	20117	234	24969	16245	47598	50531	113960	381517	19711	19	21	54	58	151	868	64	12	923

Length of force main from low service pumping station to reservoir, 7,130 feet.
" " " high " " " to Oak Hill reservoir, 19,156 feet.
" " " " " " " to low service reservoir, 16,400 feet.

* Elm to S. Main, by Cove street.

DISTRIBUTION PIPES AND GATES LAID TO DECEMBER 31, 1911.

Size of pipe.	Cement-lined pipe.	Cast-iron pipe.	Gates.
20-inch diameter	20,117 feet.	24,969 feet.	19
14-inch "		16,245 feet.	21
12-inch "		47,598 feet.	54
10-inch "		50,531 feet.	58
8-inch "		113,960 feet.	151
6-inch "	234 feet.	381,517 feet.	868
4-inch "		19,711 feet.	64
	20,351 feet.	654,531 feet.	1,235

Cement-lined pipe ..... 3.854 miles
Cast-iron pipe ..... 123.964 "

Total pipe ..... 127.818 miles

923 hydrants.
1,235 gates
12 air valves.

Respectfully submitted,
CHARLES K. WALKER,
Superintendent.

Uses for which Water is Supplied.

WATER FIXTURES, ETC.

14,667 families, 105 boarding-houses, 19,211 faucets, 8,099 wash-bowls, 7,658 bathtubs, 16,722 water-closets, 1,668 set tubs, 310 urinals, 5,788 silcocks, 2,898 horses, 355 cattle, 923 hydrants, 32 watering troughs, 11 drinking fountains, 74 standpipes, 2 public urinals.

PUBLIC BUILDINGS.

1 jail, 37 churches, 1 courthouse, 13 hose companies, 7 fire engines, 2 hook-and-ladder, 5 opera houses, 4 convents, 7 hospitals, 7 cemeteries, 1 orphanage, 1 postoffice, 1 city library, 6 banks, 10 hotels, 1 Masonic hall, 3 Odd Fellows' halls, 3 halls, Children's home, Masonic home, state armory, 37 schoolhouses.

SHOPS.

58 barber, 11 wheelwright, 16 blacksmith, 10 carpenter, 2 tinsmith, 1 copper, 3 currying, 22 plumber and gas and water pipe, 18 paint, 3 gunsmith.

STORES.

5 auction, 38 drug, 16 jewelry, 2 fur, 3 house-furnishing goods, 20 fancy goods, 1 wholesale paper, 5 wholesale produce, 21 dry goods, 12 candy, 1 cloak, 16 millinery, 3 tea, 9 furniture, 3 wholesale grocer, 134 grocery, 6 meal, 4 hardware, 34 boot and shoe, 11 stove, 35 gents' furnishing goods, 7 book, 1 leather and shoe finders, 3 music, 6 upholstery, 9 undertaker, 5 sewing-machine, 1 feather-cleaner, 1 rubber, 3 electric, 23 fruit.

SALOONS.

41 dining, 21 billiard, 75 liquor.

MISCELLANEOUS.

8 clubrooms, 3 bleacheries, 34 laundries, 4 icehouses, 12 photographers, 1 Mercy home, 2 old ladies' homes, 1 soldiers' monument, 1 Turner hall, 4 fountains, 2 trust companies, 1 city farm, 3 depots, 9 greenhouses, 2 bandrooms, 33 bakeries, 2 waste, 2 business colleges, 1 battery building, 1 kitchen, 3 wardrooms, 1 gymnasium, 2 police stations, 8 garages, 1 driving park, 1 cement block.

MANUFACTURING ESTABLISHMENTS.

3 hosiery mills, 1 silver-plating, 1 iron foundry, 2 dye-houses, 4 machine shops, 6 clothing manufactories, 9 harness shops, 1 cornice works, 1 brush shop, 9 carriage shops, 13 cigar factories, 1 brass and copper foundry, 1 locomotive works, 1 grist-mill, 1 silk mill, 3 granite works, 1 electric light station, 4 sash and blind shops, 1 brewery, 11 shoe shops, 1 gas works, 4 slaughter-houses, 2 needle manufactories, 6 beer-bottling, 3 book-binderies, 6 box-makers, 1 paper-box manufactory, 1 hat manufactory, 1 broom manufactory.

MARKETS.

5 fish, 14 meat and fish, 5 meat, wholesale.

STABLES.

8 livery, 1,315 private.

OFFICES.

30 dentists, 1 telephone, 2 telegraph, 31 coal, 1 gas, 1 electric, 2 express, 16 printing.

Materials on Hand.

METERS.

1	2-inch Lambert.	2	1½-inch Trident.
1	1-inch Lambert.	15	⅝-inch Trident.
1	¾-inch Lambert.	1	1½-inch Empire.
27	⅝-inch Lambert.	6	1-inch Empire.

1	2-inch Rotary.	8	¾-inch Empire.
1	1½-inch Rotary.	3	⅝-inch Empire.
1	1-inch Rotary.	1	¾-inch Piston.
5	¾-inch Rotary.	1	⅝-inch Piston.
8	⅝-inch Rotary.	1	¾-inch Duplex.
1	2-inch Crown.	1	¾-inch Thomson.
1	1-inch Crown.	3	¾-inch Nash.
5	⅝-inch Crown.	4	⅝-inch Nash.
1	1½-inch Hersey.	1	¾-inch Columbia.
1	1-inch Hersey.	8	⅝-inch Columbia.
3	¾-inch Hersey.	3	⅝-inch Keystone.
6	⅝-inch Hersey.		

CAST-IRON PIPE.

617	pieces 24-inch pipe.	236	pieces 10-inch pipe.
664	pieces 20-inch pipe.	3	pieces 8-inch pipe.
52	pieces 14-inch pipe.	229	pieces 6-inch pipe.
59	pieces 12-inch pipe.	101	pieces 4-inch pipe.

TWO-BELL SINGLE SPICKET BRANCHES.

16	6 on 6.	2	6 on 14.
6	6 on 10.	3	10 on 10.
2	6 on 8.	2	8 on 24.
5	8 on 12.	2	6 on 24.
1	12 on 12.		

DOUBLE BRANCHES, FOUR BELLS.

4	8 on 8.	6	6 on 6.
1	6 on 10.	14	6 on 8.
1	8 on 14.	3	6 on 12.
1	4 on 8.	3	4 on 4.

DOUBLE BRANCHES, THREE BELLS, ONE SPICKET

5	8 on 10.	3	6 on 8.
11	6 on 12.	10	8 on 8.
7	8 on 12.	1	6 on 10.
2	6 on 14.	1	4 on 10.
2	8 on 24.	1	6 on 20.

SINGLE BRANCHES, THREE BELLS.

3	6 on 8.	1	4 on 10.
7	6 on 6.	1	4 on 12.
4	6 on 12.	1	6 on 14.
1	12 on 12.	1	14 on 14.
1	12 on 14.		

DOUBLE BRANCHES, FOUR BELLS.

2	12 on 12.	1	8 on 8.
1	6 on 6.		

REDUCERS.

1 12 to 8.
1 20 to 14.
3 14 to 12.
4 10 to 8.
1 12 to 8.
2 12 to 6.

1 14 to 10.
4 12 to 6.
11 8 to 6.
1 12 to 10.
2 10 to 6.

2 12-inch ⅛ bends.
5 10-inch ¼ bends.
4 14-inch ¼ bends.
3 12-inch ¼ bends.
2 8-inch ¼ bends.
2 4-inch ¼ bends.

1 20-inch 45° bends.
5 12-inch 45° bends.
1 14-inch 45° bends.
7 6-inch 45° bends.
3 8-inch 45° bends.
1 10-inch 45° bends.
8 hydrants.

GATES.

2 4-inch gates.
4 6-inch gates.
9 8-inch gates.
8 10-inch gates.

5 12-inch gates.
1 20-inch gate.
3 24-inch gates.

SLEEVES AND GATES.

2 20-inch sleeves, 14-inch gate.
1 20-inch sleeve, 8-inch gate.

1 20-inch sleeve, 6-inch gate.
1 14-inch cement gate.

PLUGS.

15 4-inch plugs.
6 6-inch plugs.
18 8-inch plugs.

8 10-inch plugs.
16 12-inch plugs.
1 14-inch plugs.

SLEEVES.

11 6-inch sleeves.
7 8-inch sleeves.
4 10-inch sleeves.
2 20-inch whole sleeves.
2 20-inch Y branches.

2 12-inch sleeves.
6 14-inch sleeves.

RISERS.

4 8-inch risers.
5 6-inch risers.

3 10-inch risers.
3 12-inch risers.

PLUG STRAPS.

13 6-inch plug straps.
4 10-inch plug straps.

2 14-inch plug straps.
8 8-inch plug straps.

21 pieces 15-inch akron pipe, 3 feet long.
5 pieces 24-inch akron pipe, 2 feet long.
1 dome and cover.
1 ball and socket joint.
209 curb boxes.
262 curb boxes rods.
31 pieces 1-inch lead-lined pipe, 16 feet long.
39 bars lead.
13 12-inch flange pipe.
2 10-inch thread pipe.
6 20-inch clamp sleeves.
5 8-inch double wooden pulley blocks.
2 6-inch double wooden pulley blocks.
2 8-inch single wooden pulley blocks.
1 6-inch single wooden pulley blocks.
2 5-inch double iron pulley blocks.
220 feet 1½ rope.
200 feet 1¼ rope.
29 feet ⅝-inch iron chain, 2 hooks.
31 feet ⅝-inch iron chain, 2 hooks.
17 feet ⅝-inch iron chain, 1 ring pipe chain, 2 hooks.
17 feet ⅜-inch iron chain, 2 hooks pipe chain.
9 steam drills, 1⅛-inch x 10 feet.
6 points.
4 shovels.
1 bar.
4 spoons.
1 grate for furnace.
1 lead pot.
2 bush scythes.
1 crank for derrick.
1 set chain falls.
1 pipe truck.
1 wheel derrick.
5 sawhorses.
2 saws.
1 stone drag.

REPORT

OF THE

SUPERINTENDENT OF SCHOOLS.

In Board of School Committee,

December 29, 1911.

The superintendent presented his annual report to the committee, and it was accepted.

Voted, That the report by the superintendent be accepted and adopted as the report of the board, and that it be transmitted to the city councils for publication in the annual City Report.

CHARLES H. MARTEL,
Clerk.

SCHOOL DEPARTMENT.

Organization, 1911.

SCHOOL COMMITTEE.

EDWARD C. SMITH, 900 Union street, *Mayor, ex officio Chairman.*
ERNEST BOURNIVAL, 286 Pearl street, *President Common Council, ex officio.*
EDWARD B. WOODBURY, *Vice-Chairman of the Board.*
CHARLES H. MARTEL, *Clerk of the Board.*

WARD 1. Ernest W. Wiesner, 19 Market street.
WARD 2. Allan M. Wilson, 293 Myrtle street.
WARD 3. Frank L. Downs, 108 Ash street.
WARD 4. William A. Phinney, 450 Manchester street.
WARD 5. John F. Lee, 224 Central street.
WARD 6. Harry L. Davis, 552 East Spruce street.
Ward 7. Edward B. Woodbury, 1 Pleasant street.
WARD 8. Frank A. Cadwell, 142 Douglas street.
WARD 9. Nazaire E. Biron, 528 Main street.
WARD 10. Francis X. Lyons, Goffe's Falls.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.
Telephone 1615.

Office Hours.—From 8 to 9 o'clock A. M., on school days, except Thursdays; Thursdays from 7.30 to 8.30 P. M.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

TRUANT OFFICERS.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

HARRY J. WOODS.

Residence, 519 Lake avenue.

Office Hours.—From 11.30 A. M. to 1 P. M., daily; Thursday evenings from 7.00 to 9.00.

STANDING COMMITTEES.

Finance.—Mayor Smith, Messrs. Bournival, Davis, Woodbury, and Cadwell.

Text-Books.—Messrs. Wilson, Woodbury, Downs, Lyons, and Phinney.

Music.—Messrs. Lyons, Davis, and Biron.

Drawing.—Messrs. Wiesner, Woodbury, and Davis.

Manual Training.—Messrs. Cadwell, Wiesner, and Phinney.

Examination of Teachers.—Messrs. Davis, Downs, and Wilson.

Fuel.—Mr. Phinney, Mayor Smith, Messrs. Bournival, Lee, and Biron.

Repairs.—Messrs. Downs, Lee, Wiesner, Cadwell, and Wilson.

Attendance.—Messrs. Lee, Phinney, and Cadwell.

Health.—Messrs. Biron, Wilson, and Lyons.

SUBCOMMITTEES.

High.—Messrs. Downs, Wilson, Phinney, Cadwell, and Wiesner.

Amoskeag.—Messrs. Wilson, Biron, and Cadwell.

Ash-street and Webster's Mills.—Messrs. Downs, Woodbury, and Biron.

Bakersville and Mosquito Pond.—Messrs. Lyons, Phinney, and Downs.

Chandler.—Messrs. Lee, Woodbury, and Cadwell.

Franklin-street.—Messrs. Woodbury, Davis, and Lee.

Goffe's Falls and Highland.—Messrs. Lyons, Cadwell, and Wiesner.

Hallsville and Harvey.—Messrs. Davis, Wilson, and Phinney.

Lincoln-street and Youngsville.—Messrs. Phinney, Lee, and Davis.

Main-street.—Messrs. Biron, Cadwell, and Lyons.

Merrimack-street.—Messrs. Phinney, Wilson, and Downs.

Parker.—Messrs. Cadwell, Lyons, and Wilson.

Pearl-street.—Messrs. Woodbury, Wiesner, and Phinney.

Rimmon.—Messrs. Biron, Downs, and Wiesner.

Spring-street.—Messrs. Wiesner, Woodbury, and Davis.

Straw.—Messrs. Wiesner, Biron, and Wilson.

Varney.—Messrs. Cadwell, Lyons, and Downs.

Webster-street and Stark.—Messrs. Wilson, Davis, and Lyons.

Wilson.—Messrs. Davis, Phinney, and Wiesner.

Kindergartens.—Messrs. Downs, Woodbury, and Lee.

Evening Schools.—Messrs. Lee, Davis, and Biron.

SUPERINTENDENT'S REPORT.

To the School Board, the City Council, and the Citizens of Manchester:

The following is presented as the sixty-fifth report of the school department of the city. It is the fifty-sixth report of a superintendent and the twelfth of the present officer. The statistics are chiefly concerned with the school year ending July 15, 1911.

THE YEAR'S WORK.

In a résumé of the work of the year, the following stand forth as salient features: the successful operation of the new course of study for the elementary schools in its first year of trial; the maintenance of special classes for those not speaking the English tongue; an increase in the number of substitute teachers from six to ten; the inauguration of directed play in part of the schools of the city; the lengthening of the evening school course from twelve to twenty-four weeks; the adoption of new text-books in grammar and physiology; the appointment of heads of departments in the high school and the rearrangement of the high school studies in definite courses, abridging the elective privilege; an increase in the truancy force due to the enactment of the Child Labor Law by the legislature of 1911; the appropriation of money for, and the beginning of the erection of, two new eight-rooms school buildings, the Maynard and Brown schools; the transfer of the repair of buildings from the control of the school board to that of the superintendent of public buildings, and the erection of fire escapes upon schools where pupils use the third floor for recitations or assembly purposes.

COURSE OF STUDY.

The course of study adopted in April, 1910, has had one full year of trial. The adjustment in geography has been made and the course appears to be meeting the present demand well.

When adopted, work was laid out for eight years upon the supposition that children would be admitted at the age of six instead of at the age of five years. It is impossible to predict the outcome if we shall continue under the present rule, and I recommend that the age for the admission of beginners to the public schools be fixed at six years instead of five.

The course should be amended to include instruction in the humane treatment of animals and in regard to the prevention of

fires, and should be reprinted in permanent form before the close of the present school year.

SPECIAL CLASSES.

Special classes for non-English speaking pupils have been maintained in the Merrimack-street and Rimmon schools, with an enrollment of one hundred and thirty-seven.

During the past term additional rooms have been opened in the Spring-street and Varney buildings and there have been enrolled in all of these classes two hundred and forty-five pupils. The present membership is two hundred and twenty. Some of these pupils have been placed in the grades and others have secured employment certificates. At Montcalm hall one division has been made into a fourth grade.

Eighty-seven of these children are fourteen or more years of age, ninety-five are twelve or thirteen. They attend these schools chiefly to acquire a reading knowledge of English, as required by the employment laws of the state, and practically none of them will complete the eighth grade. Work is done without regard to the graded course of study, the pupils being taught according to their needs.

SUBSTITUTE TEACHERS.

At the May meeting of the board an amendment to section 5 of chapter III of the rules was adopted, increasing the number of substitute teachers from six to ten.

The unexpected increase in pupilage and the absence of regular teachers upon year or half-year leaves of absence has caused these substitutes to be permanently employed, so that none have been available for occasional absences among teachers. The substitute list is, I believe, large enough at present. The assignment of these substitutes to permanent places through election by the board will leave vacancies in the list, the filling of which will provide free teachers for casual vacancies.

DIRECTED PLAY.

The most gratifying and far-reaching accomplishment of the year, from a pedagogical standpoint, has been the inauguration of directed play and games in some of the school yards of the city.

Self-activity alone educates. Self-control comes only through self-activity. Without activity there is nothing to control, there is no growth, no development.

The encouragement of children then to various activities and those good, in the fresh air, in pleasant surroundings, is a tonic for mind and body leading to self-expression, self-development, and self-mastery. It is said that England's battles have been won upon the playgrounds of her grammar schools. Pupils abide by the rules of the game. There is a training in justice. Might is not of necessity right.

On the hygienic side, and of the effect upon mind as well as upon the body there is much to be said. I am of the opinion that the establishment of a passing recess in the afternoon was a mistake and that two recesses per day should be required, all pupils in good health being sent into the open air except in severe weather, when exposure would be dangerous to health. The recess gives an opportunity for a thorough airing of the schoolrooms and for the better oxygenation of the blood of the pupils, with a resulting greater power of application thereafter.

EVENING SCHOOLS.

In 1905 the experiment of conducting a second term of these schools in the months of January and February was tried, with discouraging results. Sessions were held during five nights each week. Under the present plan the number of sessions per week is four. It is proposed to offer ninety-six evenings instead of fifty-eight, as formerly.

The average membership has been much larger than ever before, for October 756, for November 706, and the losses from month to month less than in preceding years. This is a good sign and is an evidence of the earnestness of purpose of both pupils and teachers. The possession of an adequate manual training building would enable the city to offer evening instruction in practical trade courses. The benefits of such courses would be appreciated by many to whom the present evening schools do not appeal.

NEW TEXT-BOOKS.

Metcalf and Rafter's Language Series and the Gulick Hygiene Series were adopted as text-books for the elementary schools at the August meeting of the board. It was hoped that there would be a balance in the text-book fund at the close of the year which would allow of the purchase of part of these books. Owing to the increase of pupils in the various grades as well as to the necessity of replacing wornout books, not only was there no money to purchase the newly adopted books but, instead, the current needs of the schools called for one thousand dollars more than the ordinary appropriation. This sum was voted by the council for free text-books and has barely sufficed to tide us through the year. I recommend that this board ask of the council an appropriation of ten thousand dollars for free text-books and supplies for the year 1912.

CHILD LABOR LAW.

The legislature of 1911 passed a new, stringent law regulating child labor. The age at which a pupil may leave school remains at fourteen years, as formerly, and in general the age provisions remain as in the former law. Certificates must be issued to pupils between the ages of twelve and fourteen years who are employed in vacation. This is a new requirement.

Certificates are granted only upon documentary evidence of age, school attendance, and health. These three certificates are kept on file by the truant officer.

The employment certificates in the possession of the employers may be delivered only to those who are charged with the enforcement of the act.

The law rendered it practically impossible for one man to attend to the granting of employment certificates and to the truancy work of the city. Accordingly the board at the June meeting elected Mr. Harry J. Woods as assistant truant officer.

Since the twenty-second day of May, on which date the law went into operation, the truant officers have issued 234 permanent employment certificates for children between the ages of fourteen and sixteen years, 215 age certificates for those over sixteen, 682 vacation certificates, have transferred 475 certificates, and reissued 137. This has involved considerable clerical work.

I believe that the provisions of the law are being fully complied with.

REPAIRS.

The enactment of the law creating the office of superintendent of public buildings has taken from the board the power to make repairs and direct the upkeep of the school property. Under the present construction of the law, repairs by the superintendent of public buildings are restricted to the real estate. The assumption by this officer of the power to expend the appropriation given by the council for the repair of schoolhouses, under this interpretation, has left no money for the repair of furniture, the replacing of shades, etc., although the cost of these was met formerly from the repair fund.

Provision should be made in the coming budget for such repairs, either by special appropriation or by the increase of some present amount, with the understanding that the increased sum be expended for repairs upon furniture.

An entirely new heating plant has been placed in the Varney school, replacing the Smead system installed when the building was erected.

Outside fire-escapes have been affixed to the Ash-street, Lincoln-street, and Bakersville buildings. Two spiral Kirk-Bender escapes have been placed on the high school building. These latter appear greatly superior to the former and in future should be the only ones purchased by the city.

OBITUARY.

On Saturday, March 4, 1911, after an illness of four days, Mr. Fred H. Humphrey passed from this to the world of the future.

Mr. Humphrey was born at Sackville, New Brunswick, March 28, 1871, and had been for eighteen years a resident of Manchester. He

was elected an assistant teacher in the manual training school at the September meeting, 1910, and served in that capacity until the time of his death.

He exhibited rare zeal and devotion to his work. He was adaptable, courteous, just, and had the love and respect of both pupils and associate teachers. A wide circle of acquaintances mourned with his family in a common bereavement.

ENROLLMENT AND ATTENDANCE.

There have been enrolled in the public schools of the city 210 kindergarten pupils, 88 in suburban schools, 2,068 in grades one and two, 1,542 in grades three and four, 1,747 in grades five to eight inclusive, and 648 in the high school, a total of 6,303 pupils for the year.

This registration has been 218 less than for the year 1910. The average membership has been 5,383, the daily attendance 4,946, numbers less by 158 and 154 respectively than for the preceding year. The percent of daily attendance has been 91.8, a slight decrease (.2%) from that of 1910.

The percentage of tardinesses has decreased by thirteen, there having been 7,965 as against 9,156 for 1910. Tardinesses per pupil average 1.43. The number of pupils not absent or tardy was 152, a number small when compared with the average membership.

Pursuant to a custom of several years, a table is given showing the average membership and the number of tardinesses for each building.

TABLE I.

Schools.	Average Membership.	Tardiness.
High	619	1,972
Amoskeag	117	151
Ash-street	312	163
Bakersville	223	187
Chandler	265	54
Franklin-street	243	418
Goffe's Falls	64	219
Hallsville	404	602
Highland	59	50
Lincoln-street	298	280
Main-street	312	273
Merrimack street	203	858
Parker	266	305
Pearl-street	131	136
Rimmon	265	534
Spring-street	130	141
Straw	242	108
Varney	328	283
Webster-street	263	214
Wilson	340	232
Youngsville	81	90
Ungraded	78	695
Kindergartens	140	.....
Totals	5,383	7,965

The Chandler, Straw, Ash-street, Wilson, Webster-street, Bakersville, Highland, Varney, Main-street, and Lincoln-street schools have each averaged less than one tardiness per pupil and rank in the order mentioned for punctuality.

ACCOMMODATIONS.

The present record-breaking membership of the schools, 519 greater in September than for the preceding year, leads one to view with some concern the future situation in regard to sittings in some districts.

The new Maynard and Brown schools, giving 192 and 336 additional seats, will provide ample room in their respective districts for some time. The finishing of a new room in the Highland school during the summer has temporarily relieved the congestion in that district. It would be wise, however, to finish the remaining room in this building, that it may be ready for occupancy when needed.

In the Bakersville school, despite the fact that a two-rooms addition was completed in the fall of 1911, one room of pupils is now being taught upon the third floor and present indications are that it will be necessary to open another in the near future. The location of large manufacturing plants in this section of the city would indicate the need of increased accommodations. I believe that this need should be met in the near future by a modern, full-graded building.

The Youngsville school was built originally to accommodate ninety-six pupils. Its enrollment the past term has been ninety-five. All grades of work are done in this school. The beginners in one semester numbered seventeen. Two teachers are employed, one doing the work of two grades, the other that of six. It is manifest that the quality of the work must suffer. The remedy is the duplication of the present two rooms by an addition on the west side of the building. The district is a large and growing one. Under present conditions, a building situated somewhere between Wilson Hill and the present schoolhouse would mean merely the opening of another district school, a policy which is to be avoided upon general principles when possible.

The high school situation remains unchanged. The last monthly report from the school showed a membership of 657. The report one year ago showed a membership of 636. Agitation for more high school room began two years ago. The board has twice asked of the council an appropriation for an addition to the building. I recommend that this request again be preferred to the council.

Some of the residents of the northwestern section of the city have asked that a district school be opened in their vicinity. It is to my mind a truism that such a school never equals in efficiency a graded school, is generally of lower grade, and progress is less rapid and satisfactory. If the residents, knowing and appreciating these things, still insist upon such a school, the board should take the matter under serious advisement.

RESIGNATIONS, TRANSFERS, AND NEW TEACHERS.

The following teachers tendered their resignations to this board during or at the close of the school year: Mr. Arthur O. Friel and Miss Edna C. Cullis of the high school; Miss Hellen Morison of the Chandler school; Miss Mary T. Morrow of the Franklin-street school; Misses Ada B. Morse, Ida Crowther, and Jennette M. Bartlett of the Straw school; Miss Grace Brown of the Parker school; Miss Ellen E. McKean of the Varney school; Miss Mary E. McLaren of the Wilson school and Mr. Arthur J. Abbott, supervisor of music.

The hand of death has once intervened and removed Mr. Fred H. Humphrey, assistant at the manual training school.

Vacancies have been filled, transfers made, and new teachers chosen as follows: At the high school, Miss Florence E. King was elected as an additional teacher at the middle of the year, Miss Helen Furness, Miss Mabel Parsons, and Miss Madge Tasker after the close of the school year, to fill the vacancies caused by the resignations of Mr. Friel and Miss Cullis, and to provide another teacher for the business course.

At the Chandler school the vacancy in the principalship was filled by the transfer of Miss Alice C. Taggart from the Goffe's Falls school. This principalship in turn was filled by the transfer of Miss Caroline E. Head, master's assistant at the Franklin-street school, the assistantship being filled by the promotion of Miss Frances E. Barndollar from the seventh grade of the same school. Miss Helen Lyons was transferred from the Spring-street school to the seventh grade of the Franklin-street school. Miss Lyons' school was given to Miss Lulu Kean of the next lower grade in the Spring-street school and Miss Sadie Davis was elected to the vacancy caused by the transfer of Miss Kean.

At the Franklin-street school, Miss Hattie Read was promoted from the fourth to the fifth grade left vacant by the resignation of Miss Morrow; Miss Grace Whittemore was promoted from the second to the fourth grade, and Miss Mae Hills was elected to the second grade.

At the Straw school, a new position, that of principal's assistant, was created, and Miss Marjorie Woodbury was transferred from the fourth grade of the Ash-street school to the position. Miss Mary Bulman was transferred from the fourth grade of the Rimmon school to the fourth grade of the Ash-street, and Miss Alice Pepin elected to the vacancy in the Rimmon. Miss Elizabeth McKelvie of the Goffe's Falls and Highland schools, Miss Lauretta Sawtelle of the Goffe's Falls school and Miss Ethel Church, assistant at the Spring-street kindergarten, were elected to the fifth, third, and kindergarten grades of the Straw school to fill the vacancies caused by the resignations of Misses Morse, Crowther, and Bartlett; Miss Mildred Simons was elected to the Goffe's Falls and Highland schools, Miss Anna McDonald to the Goffe's Falls school, and Miss Edith Sturtevant to be assistant in the Spring-street kindergarten.

At the Parker school, Miss Lorna Morrison was elected to the second grade formerly taught by Miss Brown.

At the Varney school, Miss Bullard of the Stark district was elected to the sixth grade in place of Miss McKean. Miss Mildred Simons, after serving as assistant at the Goffe's Falls and Highland schools for one half of a year, was placed permanently in a new room opened at the Highland school. Mrs. Florence Prescott, Miss Bessie Caine, and Miss Laura McKenna were employed to teach non-English-speaking children in the Merrimack-street school. Miss Susie A. Huff was similarly employed in the Rimmon building.

At the Wilson school, Miss Blanche Bryant was promoted to be assistant to the principal. Miss Avis Armstrong was chosen teacher of the first grade. Miss Marjorie Drew was elected to teach a new room opened during the year to relieve the crowded condition of the first grade. Miss Marjory McDougall was elected to the Stark district vice Miss Bullard transferred to the Varney.

Mr. Charles Curl and Fred H. Humphrey were chosen as assistants in the manual training school. Upon the death of Mr. Humphrey, Mr. Frank Chapman was chosen to be his successor. Mr. Chapman declined a reëlection at the close of the year and Mr. Willis R. Flanders was elected as his successor. Mr. Walter H. Butterfield was elected as supervisor of music to succeed Mr. Arthur J. Abbott. Mr. Charles Schovanek was elected as special teacher of penmanship, election to take effect January 1, 1912.

SCHOOL CENSUS.

The triennial census of the school children of the city was taken in the month of September. The summary is as follows:

Number of children between the ages of 5 and 16 years:	
Boys	6,020
Girls	6,331
Total	12,351
Number between 10 and 16 not able to read and write the English language	276
Number of the latter born in New Hampshire	105
Number born elsewhere in the United States	9
Number born in foreign countries	161
Number whose place of birth is unknown	1
Number between the ages of 5 and 8 not attending school	487
Number between the ages of 8 and 14 not attending school	125
Number between the ages of 14 and 16 not attending school	345

There were found 10 deaf and dumb children, 2 invalids, 2 imbeciles, 1 blind, 1 paralyzed, and 1 cripple, all of whom were not in school.

The truant officers have investigated the cases of the 470 children between the ages of 8 and 16 reported as not in school and find that 125 are in school, 7 are sick, 48 unavoidably detained, 265 have employment certificates, and 25 are deaf, dumb, blind, tubercular, feeble-minded, and invalids.

Mr. Davis has gathered and furnished me the following figures in regard to the enrollment of children in the public and in the private schools and institutions of the city.

	Public	Private
Total enrollment in schools	6,222	6,897
Number over 16 years of age	367	51
Number under 5 years of age	110	105
Number nonresidents	49	53
Number between 5 and 16 years of age	5,696	6,688

It will be seen from these figures that there are 992 more children between the ages of 5 and 16 years in the private than in the public schools of the city.

The total number of school children is	13,119
The total number between the ages of 5 and 16 is	12,384

These figures apply to the month of November, 1911.

MANUAL TRAINING SCHOOL.

The annual report of this body for 1910 presented an argument for a new manual training building. The room and light remain as heretofore, inadequate. The school has a membership of 428, sixty greater than for the fall term one year ago. The weekly attendance has been 408. Eighty-seven more pupils have attended without absences or tardinesses than attended in 1910. This fact is to me a vindication of the policy of this body in revising the list of models.

The principal informs me that three more lathes are needed for class work and one more for demonstration purposes. The west room upon the third floor should be equipped for more advanced work by installing lathes and benches. It is impossible to extend the work with the present equipment. A new and much larger plant is imperatively needed. With such a plant, continuation classes for pupils between the ages of fourteen and sixteen years may be begun. Evening vocational schools may be opened, even technical high school courses may be begun if no move is made toward increasing present high school facilities.

The work of the school has been interrupted by the absence of one of the teachers for a period of eleven weeks. Good results have been attained despite this. The construction of tables for the drawing-room will be begun at the opening of the winter term.

There has been appropriated annually for six years the sum of $600 for current expenses. The school has now reached a point at which this should be increased, and I recommend that the sum of $750 be requested in the next budget for the current expenses of this school.

RETARDATION.

Two tables are given below which show, as was shown in 1909 and 1910, the number of pupils in each year of school failing at the January and June promotions.

TABLE II—January, 1911, promotion.

Schools	No. of beginners Sept. 1910	1st year	Not advanced	2d year	Not advanced	3d year	Not advanced	4th year	Not advanced	5th year	Not advanced	6th year	Not advanced	7th year	Not advanced	8th year	Not advanced	Total in half year	Total failures
Amoskeag	17	32	11	27	4	14	1	8	.....	12	.....	13	.....	7	.....	4	.....	117	16
Ash-street	17	38	1	41	1	29	.....	20	.....	45	.....	46	.....	56	.....	46	.....	321	2
Bakersville	26	39	2	49	14	36	1	49	1	15	.....	25	2	14	.....	14	.....	241	20
Chandler	44	87	12	42	.....	43	.....	39	.....	31	.....	27	.....	.....	.....	.....	.....	269	12
Franklin-street	15	31	5	31	5	40	4	49	.....	34	.....	22	.....	15	.....	16	.....	238	14
Goffe's Falls	9	21	.....	9	.....	7	.....	13	.....	.....	.....	2	.....	14	.....	4	.....	70	....
Hallsville	38	82	20	50	.....	80	1	44	1	43	6	43	1	30	1	21	.....	393	30
Highland	8	7	3	12	.....	.....	.....	12	.....	8	..	4	.....	5	1	6	.....	54	4
Lincoln-street	22	44	14	48	1	43	.....	37	.....	41	5	37	3	31	.....	25	.....	306	23
Main-street	50	86	12	113	9	57	.....	35	.....	31	.....	.....	..	.....	.....	.....	.....	322	21
Merrimack-street*.	29	55	20	56	3	39	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150	31
Parker	30	92	7	40	.....	42	1	26	2	30	2	15	1	14	.....	9	.....	268	13
Pearl-street	29	38	.....	41	.....	32	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	136	....
Rimmon*	34	76	14	32	1	36	1	32	5	12	.....	30	.....	12	.....	1	.....	231	21
Spring-street	45	49	11	26	.....	31	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	124	11
Straw	26	49	8	46	4	39	1	38	1	39	4	28	.....	13	.....	.....	.....	252	18
Varney	49	62	10	48	.....	54	3	26	.....	41	3	45	1	12	.....	36	.....	324	17
Webster-street	12	40	3	34	1	35	2	37	.....	31	.....	31	.....	16	.....	43	.....	267	6
Wilson	42	56	5	61	3	63	1	36	.....	24	.....	39	2	23	1	23	.....	325	12
Youngsville	12	30	3	13	2	.....	.....	15	.....	12	.....	2	....	2	.....	2	.....	76	5
Harvey	2	3	.....	5	.....	.....	.....	5	.....	4	.....	.....	.....	3	.....	.....	.....	20	....
Mosquito Pond	1	2	.....	12	.....	6	.....	.....	.....	4	.....	.....	.....	.....	.....	4	2	28	2
Stark	4	3	.....	8	.....	.....	.....	4	.....	.....	.....	3	.....	.....	.....	.....	.....	18	....
Webster's Mills	.....	1	1	2	.....	3	.....	.....	.....	.....	.....	3	1	1	.....	.....	.....	10	2
Totals	561	1023	162	846	49	729	24	568	10	457	20	415	11	268	3	254	2	4560	280
Percentage		.....	15	.....	5.5	.....	2.2	.....	1.7	.....	4 3	.....	2.6	.....	1.1	.....	0.8	....	5.9

* Special Classes, Merrimack-street.. 59
" " Rimmon 45
104 } Not included above.

TABLE III—June, 1911, promotion.

SCHOOLS	No. of beginners January, 1911	1st year	Not advanced	2d year	Not advanced	3d year	Not advanced	4th year	Not advanced	5th year	Not advanced	6th year	Not advanced	7th year	Not advanced	8th year	Not advanced	Total, half year	Total failures
Amoskeag	1	21	4	20	3	15	.....	22	4	5	.....	18	3	7	.....	4	.....	112	14
Ash-street	0	16	2	38	1	35	3	9	1	43	6	36	3	63	3	58	.....	298	19
Bakersville	3	38	3	45	.....	29	.....	40	3	16	.....	30	1	18	.....	14	.....	230	7
Chandler	0	40	12	62	11	41	4	40	.....	53	1	26	1	.....	.....	.....	.....	262	29
Franklin-street	4	27	5	22	2	35	.....	28	.....	44	5	26	.....	25	1	16	.....	223	13
Goffe's Falls	0	9	4	16	.....	7	.....	4	.....	8	.....	1	.....	9	4	9	.....	63	8
Hallsville	7	61	25	71	14	61	6	56	6	41	6	35	1	42	3	36	.....	403	61
Highland	2	6	1	5	.....	11	.....	.....	.....	13	3	15	.....	7	.....	6	.....	63	4
Lincoln-street	9	34	.....	37	.....	33	6	36	1	37	1	36	2	42	.....	35	1	290	17
Main-street	9	59	5	67	6	117	16	31	.....	18	.....	30	1	.....	.....	.....	.....	322	28
Merrimack-street*	6	48	18	54	2	27	3	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	144	23
Parker	10	57	23	63	5	16	3	51	4	28	2	30	3	16	.....	7	.....	268	40
Pearl-street	6	25	3	30	.....	34	1	34	2	9	.....	.....	.....	.....	.....	.....	.....	132	6
Rimmon *	11	62	9	42	2	22	3	30	7	18	3	16	5	11	.....	6	.....	217	29
Spring-street	0	30	1	20	4	22	.....	36	6	.....	.....	.....	.....	.....	.....	.....	.....	108	11
Straw	1	39	3	37	5	46	3	32	6	40	5	31	2	23	.....	.....	.....	248	24
Varney	12	54	7	17	4	45	2	36	.....	36	2	34	2	39	1	34	.....	325	18
Webster-street	5	28	4	30	1	34	4	38	.....	38	3	24	.....	30	2	44	.....	266	14
Wilson	2	52	7	60	2	56	4	46	1	28	3	33	1	28	.....	30	.....	333	18
Youngsville	1	15	2	36	.....	.....	.....	13	.....	13	.....	3	.....	.....	.....	2	.....	82	2
Harvey	.....	3	.....	.....	.....	7	.....	.....	.....	.....	.....	4	.....	.....	.....	3	.....	17	.....
Mosquito Pond	.....	4	.....	3	.....	6	.....	10	.....	.....	.....	4	.....	.....	.....	3	.....	30	.....
Stark	.....	3	.....	4	.....	3	.....	5	1	3	.....	.....	.....	.....	.....	.....	.....	18	1
Webster's Mills	0	1	.....	2	.....	1	.....	4	.....	.....	.....	2	.....	1	.....	.....	.....	11	.....
Total	89	732	144	811	62	713	58	601	42	506	40	434	25	361	14	307	1	4465	386
Percentage		.....	18.1	.....	7.6	.....	8.1	.....	7.8	.....	7.9	.....	5.5	.....	3.8	.....	.3+	.....	8.6

* Special Classes, Merrimack-street.. 63
" " Rimmon 37
100 } Not included above.

It will be observed that, in January, there were 280 failures out of a possible 4,560, or 5.9%; in June there were 386 out of a possible 4,465, or 8.6%. The average for the year was 7.37%. Six hundred and sixty-six pupils failed to advance a half year. This means that 333 years of time have been lost. In the year 1909 there were 1,291 half-year failures, or 13.8%. In the year 1910 there were 974 half-year failures, or 10.4%. In the year 1911 there were 666 half-year failures, or 7.37%. It is obvious that in the three years the percentage of failures has been reduced by 46. They are still too numerous. Such improvement as has occurred is due to the exercise of a finer discrimination on the part of the teachers and to a nearer approach to individual work.

As in preceding years, the greatest number of failures occurred in the first year, 306 out of 666. One hundred and ninety of these failures were due to absence and illness, and immaturity. This is a strong argument for raising the age of admission of beginners to six years. The added year will enable many who now easily succumb to childish diseases to resist the same. It will also ensure more rapid progress because of the added year of maturity. Were these first-year failures eliminated, the percentage for the remainder of the grades would be less than five. A partial remedy may be found in a smaller number of pupils per primary teacher. A reduction of the number of pupils to twenty-five combined with the raising of the age of admission would materially reduce the number of first-year failures.

A summary of the reasons for the January nonpromotions is given below.

TABLE IV.

REASONS FOR FAILURES, JANUARY PROMOTION, 1911.

Reasons for Nonpromotion.	1st year.	2d year.	3d year.	4th year.	5th year.	6th year.	7th year.	8th year.	Totals.
Absence and illness	49	15	7	1	5	1	.....	.....	78
Immaturity and slow development	40	7	.....	1	1	.....	.....	.....	49
Speaking a foreign tongue	16	2	4	3	1	3	.....	.....	29
Slow mental processes	6	1	2	.....	1	4	1	.....	15
Short time in school	11	.....	.....	.....	.....	.....	.....	.....	11
Abnormal, deficient	6	.....	2	.....	1	1	1	.....	11
Lack of application, lazy, inefficient, etc.	3	2	3	5	9	1	.....	.....	23
Poorly nourished	6	.....	.....	.....	.....	.....	.....	.....	6
Poor grading	.....	4	.....	.....	1	.....	.....	.....	5
Deficient in one or more studies	.....	2	1	.....	.....	.....	.....	.....	3
Physical defects	8	.....	.....	.....	.....	.....	.....	.....	8
Use of tobacco	.....	.....	1	.....	.....	1	1	.....	3
Work out of school	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unaccounted for	17	15	4	.....	1	.....	.....	2	39
Totals	162	48	24	10	20	11	3	2	280

The first three reasons, absence and illness, immaturity and slow development, and speaking a foreign tongue account for 156 of the 280 failures. These appear to be dominant and persistent reasons for failure. There is very little chance for error of judgment in regard to them. Fifteen were adjudged slow of mental processes. The reasons for this slowness are not given. Eleven were in school for but a short time, and all of these were in the first year. This cause is self-explanatory. Eleven were given as deficient mentally. Inasmuch as six of these were in the first grade, it is fair to presume that they may be immature, and they were obviously not ready to be sent to school. Twenty-three were adjudged as inattentive, indifferent, lazy, and lacking in application. Inasmuch as these three represent all so described by 156 teachers, the number does not seem large. However, the existence of any such is to be deplored and the fact that they do exist is an incentive to the exercise of ingenuity on the part of all engaged in the work of instruction.

Six were poorly nourished, all of these being in the first year and reported from the Merrimack-street school. It is the duty of the

city to remedy this state of affairs by providing lunches for such pupils. I know that many in that district would be benefited by being fed at the time of the morning recess. Five failed because of poor grading. Three were deficient in arithmetic. Eight had physical defects, adenoids, "bad throats," were excessively nervous, deaf, or imperfect in vision. Three failed because they were habitual users of tobacco.

Thirty-nine were unaccounted for. Of these, thirty-two were in buildings where the lower grades were swept by epidemics of whooping cough.

Another table gives the reasons for nonpromotions in June.

TABLE V.

REASONS FOR FAILURES, JUNE PROMOTION, 1911.

Reasons for Nonpromotion.	1st year.	2d year.	3d year.	4th year.	5th year.	6th year.	7th year.	8th year.	Totals.
Absence and illness	67	20	17	11	10	5	4	.....	134
Immaturity and slow development	34	8	3	2	1	1	.....	.....	49
Speaking a foreign tongue	9	1	2	4	1	2	.....	.....	19
Slow mental processes	6	19	9	6	11	1	2	.....	54
Short time in school	5	3	1	.....	3	.....	.....	.....	12
Abnormal, deficient	6	3	2	3	1	2	1	.....	18
Lack of application, lazy, indifferent, etc	3	3	5	6	5	7	4	.....	33
Poorly nourished	.....	.....	1	1	.....	1	1	.....	4
Poor grading	.....	.....	2	5	2	.....	1	.....	10
Deficient in one or more studies	3	2	4	4	3	3	.....	1	20
Physical defects	5	3	3	.....	2	2	.....	.....	15
Use of tobacco	1	.....	.....	.....	1	.....	.....	.....	2
Work out of school	.....	.....	.....	.....	.....	1	1	.....	2
Unaccounted for	5	.....	9	.....	.....	.....	.....	.....	14
Totals	144	62	58	42	40	25	14	1	386

Absence and illness are even more marked than in the first part of the year as causes of failure; immaturity remains the same in number, 49; speaking a foreign tongue falls as a reason; more failed because of slow mental processes; more are reported as abnormal; more as indifferent; more as poorly graded; more as deficient in one or more studies; more as showing physical defects. Fourteen are unaccounted for, five in the first and nine in the third year.

In June, 1910, 240 pupils failed in the first year, 155 beginners entered school at the commencement of the half year, in September there were 561 more beginners. The sum of these figures, 956, should equal the total number in the first grade for the first half of the school year 1911. Actual count showed 1,023, a difference of 67. At the same time, in the second year 39 pupils failed, 651 were advanced to the grade, and the sum, 690, should equal the number in the second grade for the first half of the school year 1911. There were at that time 846 in the grade, 156 more than are accounted for by the promotion list. In the third year 26 pupils failed, and 566 were advanced from the second to the third grade. The total, 592, should equal the number in the third grade. Actual figures showed 729, 139 more than are accounted for. These facts show that the school population is a changeable one. The fact that it is changeable is an important contributing cause to the retardation that exists in our schools.

TABLE VI.—DECEMBER 5, 1911.

Ages in Years.	Grades.								Special Classes.	Totals.
	1	2	3	4	5	6	7	8		
Under 5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	204	1	.....	.....	.....	.....	.....	.....	.....	205
6	369	100	1	.....	.....	.....	.....	.....	1	471
7	211	236	49	.....	.....	.....	.....	.....	1	497
8	88	216	160	16	.....	.....	.....	.....	6	486
9	40	152	237	133	9	.....	.....	.....	6	577
10	27	83	140	183	73	12	1	.....	14	533
11	11	43	108	158	145	72	12	3	24	576
12	3	13	76	98	151	116	59	12	39	567
13	1	8	44	79	121	124	126	70	56	629
14	.....	7	32	62	56	79	80	120	58	494
15	.....	.....	9	14	20	40	55	50	25	213
16	.....	.....	1	1	2	8	3	18	4	37
17	.....	.....	.....	.....	2	2	4	2	.....	10
18	.....	.....	.....	.....	.....	.....	1	.....	.....	1
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Totals	954	859	857	744	579	453	341	275	235	5297
Over age	170	308	410	412	352	253	143	70	.....	2118
Percent over age	17.8	34.6	47.8	55.3	60.7	55.8	41.9	25.4	.....	40.0
Under age	573	337	210	149	82	84	72	85	.....	1592
Percent under age	60.0	39.2	24.5	20.0	14.1	18.5	21.1	30.9	.....	30.0

A table, No. VI, is given, which shows the number of children, of each age, years five to twenty, in each grade of school. The heavy horizontal line in each column marks the age limit for the grade. All above the line are of normal age or under normal age for the grade; all below are above normal age for the grade. This table represents the condition in our schools on December 5, 1911.

The percentage of over-age children is smallest in the first year, being 17.8%. In this grade the percentage of failures is, however, the largest, as a reference to the promotion tables will show, it being from two to three times as large as in any other grade. The percentage of over-age children then increases steadily, second grade 34.6%, third grade 47.8%, fourth grade 55.3%, fifth grade 60.7%, at which point it reaches its maximum. It then declines, sixth grade 55.8%, seventh grade 41.9%, eighth grade 25.4%. The average for the whole system is 40%.

It is shown that the number of children under age for their grade is 30%, while 25% are of normal age and 4.4% are in special classes. These last are to be reckoned as retarded, although the schools are in no wise responsible for the fact that they cannot speak English. It is doing its best to remedy the deficiency.

With a view to determining the progress of pupils through the grades, I asked Mr. Curtis of the Lincoln-street school to find out when each of his over-age pupils entered school. The majority could not state the time nor could they tell how many years they had been in school. There were 141 over-age pupils in the building. Of these, 45 had lost promotions in the city, 87 had entered from out of town, from private schools, and from foreign countries. Four were over age upon entering school, three had lost time from illness, two could give no account of themselves.

This condition emphasizes the fact that we have not enough reliable data upon which to pass judgment as to causes of retardation, and it indicates the need for a system of registration which shall give a complete history of each pupil from the time he enters until he leaves the public schools.

That so many pupils are over age is not a condition peculiar to Manchester. The same rise and fall in percentages in the grades is noted wherever statistics have been gathered.

The study of this question and a classification of children upon the basis of both age and progress through the grades made by Mr. Leonard P. Ayers leads him to the conclusion that "the children who are over age for their grades and the children who make slow progress through the schools are in large part different individuals."

I recommend that an elementary school record system recommended by the commissioner of education be adopted and put into operation February 1, 1912, and that teachers be permanently elected to do special work in different buildings. Two years' experience has shown that substitutes cannot be relied upon to do this work.

The fact that there has been in three years a reduction of 46% in the number of failures is encouraging and leads to the hope that future tables like Nos. II and III may show diminished percentages. The aim is to cause every pupil to progress all of the time through all of the grades. If this can be done it will make no difference whether the pupils of a given grade are over or under the grade age.

HIGH SCHOOL.

The high school is a large and growing institution. Its membership is as follows:

First class	115
Second class	145
Third class	181
Fourth class	206
Post-graduates	10
Total	657

One hundred and twenty-four graduates were sent out from its doors at the close of the school year. Two teachers have been added to the faculty, which now numbers twenty-two. The cost per pupil for the year has been $45.13.

DEPARTMENTS.

Because of the fact that it was impossible in many cases for one teacher to instruct all of the pupils in any one subject, or even all of the pupils in one class in some particular subject, the board at the September meeting established seven departments in the school and placed at the head of each that teacher whose experience and length of service seemed to qualify him or her for the place.

This was done to secure closer coöperation and a greater uniformity of facts taught, to place at the disposal of newer and less experienced teachers the assistance and judgment of those more mature. The heads of the departments were requested to plan the work for the various classes in detail and to meet with and assist their associate teachers, to the end that the proper emphasis might be placed upon the different portions of the work. Uniformity of method of presentation was not sought, is not to be desired.

The heads of departments have furnished me with detailed accounts of the work done, together with their opinions as to the working of the plan or its merits. The various plans of the heads of departments have received the endorsement of the principal. Replies are encouraging. Mr. Hopkins informs me "that his associates welcome with eagerness any suggestion from him, either as to subject-matter or method and follow it out enthusiastically." I judge this to be the spirit in which the work is being done in every department, although this is the happiest expression of it.

COURSES.

The first-year course of study has been revised and put into operation. It is designed to arrange all of the studies in definite courses, with definite ends in view, to abridge the elective privilege, and to permit a pupil when selecting his course to know just what studies he may take and whither they may lead him.

It is not designed to offer all of the possible alternatives for admission to all of the colleges, but to arrange the college course so as to give two or more options.

The population of the city is more than 70,000. The school contains less than one pupil for each hundred of its inhabitants. The small city of Berlin averages a little more than two per hundred of population. Were it possible to become as efficient educationally measured by this standard, we should have a school of 1,400.

The standard of the school has been fixed in the past by the college entrance requirements and the school has a high standing with the college authorities. We all rejoice that this is so, and would maintain the standard in this respect. Let us assume that twenty-five percent of our graduates enter college. The emphasis of the work of the school is placed upon the preparation of these for the furtherance of their chosen work. To advance equally the remaining seventy-five percent upon the road to efficiency, less is done in the public high school than should be done. The function of the high school should not be chiefly that of preparation for college.

I quote from a report of a committee of the National Education association in regard to this matter because I believe the gentlemen of the board have not seen the same, and because the report seems to me to express the true ideal of the high school: "It is the duty of the tax-supported high school to give every student instruction carefully designed to return to society intelligent, able-bodied, and progressive citizens. To this end certain work should be included in the course of every student. . . . The high school period is the testing time, the time for trying out different powers, the time for forming life purposes. . . . In the high school the boy or girl may very properly make a start along the line of his chosen vocation, but a final choice should not be forced upon him at the beginning of that career. . . . Not only is it the duty of the high school to lay the foundations of good citizenship and to help in the wise choice of a vocation, but *it is equally important that the high school should make specific contribution to the efficiency of the individual along various broad lines.* In our industrial democracy the development of individual aptitudes and unique gifts is quite as important as the development of the common elements of culture. . . . It would seem that some have come to believe the oft-repeated statement that the liberal should precede the vocational, but an organic conception of education demands the early introduction of training for individual usefulness, thereby blending the liberal and the vocational,

for only then does the liberal receive its social significance and importance. In other words, the boy who pursues both the liberal and the vocational sees the relation of his own work to the work of others and to the welfare of society; whereas the liberal without the vocational leaves him a mere spectator in the theater of life and the boxes in this theater are already overcrowded.

"Mechanic arts, agriculture, or household science should be recognized as rational elements in the education of all boys and girls. . .

"Under the authority of the traditional conception of the best preparation for a higher institution, many of our public high schools are today responsible for leading tens of thousands of boys and girls away from the pursuits for which they are adapted and in which they are needed to other pursuits for which they are not adapted and in which they are not needed.

"By means of exclusively bookish curricula false ideals of culture are developed. The high school should in a real sense reflect the major industries of the community which supports it. . . . Our traditional ideals of preparation for higher institutions are particularly incongruous with the actual needs and future responsibilities of girls."

The report of the school board for 1909 urged the establishing of mechanic arts and domestic science courses in the high school; that of 1910 presented a plan for coöperative industrial courses. I again recommend these matters for your consideration. The customary table showing the progress of the pupils through the high school is here appended.

TABLE VII.

MOVEMENT OF PUPILS THROUGH HIGH SCHOOL.

SUBJECTS.	Number passed.	Number failed.	Percent failed.
English I	173	22	11
" II	153	18	8
" III	118	5	4
" IV	156	4	2.5
Latin I	133	11	8
" II	59	5	8
" III	32	6	16
" IV	28	.....	.....
Greek I	11	.....	.....
" II	9	.....	.....
" III	10	.....	.....
French I	118	19	14
" II	66	10	13
" III	41	1	2
German I	21	4	16
" II	19	.....	.....
" III	5	.....	.....
Algebra I	175	32	15
" II	124	23	15
" III	50	.....	.....
Geometry I	175	32	15
" II	124	23	15
" Rev. III	50	.....	.....
" Solid	21	.....	.....
Trigonometry	21	.....	.....
Advanced and Commercial Arithmetic	121	3	2
Physics	96	23	19
Chemistry	37	5	12
Botany	20	.....	.....
Zoology	12	.....	.....
Astronomy	25	.....	.....
Ancient History	94	13	12
English History	79	.....	.....
Mediaeval and Modern History	44	6	12
United States History	107	.....	.....
Bookkeeping, I	70	8	10
" II	26	.....	.....
Commercial Industrial History	28	6	18
Commercial Geography	33	4	11
Stenography, I	92	5	5
" II	108	.....	.....
Typewriting	98	.....	.....
Mineralogy, Geology and Phys. Geography	32	.....	.....
	.....	283	.....

MR. ARTHUR J. ABBOTT.

It is fitting and proper that a record of notable work should be made permanent in the report of the school board. Mr. Arthur J. Abbott was elected supervisor of music in the public schools in the fall of 1904. His term of service covered a period of seven years. During this time he carried the music of the public school system to a point of excellence never before reached. Through his efforts our city has attained a high reputation abroad for the excellence of its

music. His work was an inspiration to pupils and teachers. His resignation was received with regret.

OPEN-AIR SCHOOLS.

It is a recognized fact that fresh air, sunshine, exercise, and nourishing food are the best medicine in the world. They both prevent and cure illness. Numerous cities have endeavored to provide all of these, even the nourishing food, in schoolrooms, where the windows are thrown wide open to the outside air.

Springfield is the latest addition to this list of cities. In November a first-grade room of thirty-two pupils was so opened, the parents of all of the children having given their consent. The school program, covering the hours from 8.30 A. M. to 3.45 P. M., includes periods for exercise, rest, play, recitation, and for three meals. It is proposed to open such a school in every ward in the city. The pupils as well as the teacher are reported to be more vigorous, healthy, and alert.

I recommend that such a school be opened in the Maynard building upon its completion.

CONCLUSION.

The body of this report has emphasized the need of industrial and vocational training. It has presented the need of the city for additional buildings. It has touched upon the good effects of directed play, and this is a most important matter. The Amoskeag corporation deserves the gratitude of every lover of children for its action in equipping and supporting the fine playground near the station. It would seem to be the duty of the school department to exercise its influence to the end that other such playgrounds may be established and maintained by the city.

The fact that many immature children enter school emphasizes the need of raising to six years the age of admission for beginners in school. Furthermore, no child should be admitted until he has been examined by a medical inspector and declared physically fit for school.

The open-air school is but another means to secure to the child his due heritage of strength, vigor, and education.

The need for the proper preservation of the record of each child has been presented.

All of these things are in the future, but they are necessary for progress toward our educational ideal.

Finally, I desire to pay the just tribute to the "men behind the guns," the teachers, whose fidelity and ability accomplish the results in the schools, whose devotion to their chosen work is surpassed by that of no other body of workers for the public good.

Respectfully submitted,
CHARLES W. BICKFORD.

APPENDIX.

I. Population, Etc.
II. Schoolhouses.
III. Schools.
IV. Teachers.
V. Attendance Tables.
VI. Truancy.
VII. Finance.
VIII. High School Graduates.
IX. Winners of Clarke Prizes.
X. Organization of Committees, 1912.
XI. List of Teachers, 1912.
XII. School Year, 1911-12.

APPENDIX.

STATISTICS.

I. Population.

Population of the city by last census, 1910.....	70,063

Legal school age, 5 to 21.

II. Schoolhouses.

Number of schoolhouses in use.....	26
Number of schoolhouses not in use.....	0
Number of schoolrooms used for day schools.....	161
Number of rooms used for high school.....	20
Number of rooms used for graded schools.....	130
Number of rooms used for ungraded schools.....	4
Number of rooms used for Manual Training school....	3
Number of rooms used for kindergartens	4

III. Schools.

(All for both sexes.)

Number of high school buildings.....	1
Number of full graded schools.....	17
Number of lower graded schools.....	3
Number of ungraded schools.....	4
Number of manual training schools (for boys).....	1

IV. Teachers.

Male teachers in the high school	8
Female teachers in the high school	13
Male teachers in the grammar schools	7
Female teachers in the graded schools	129
Female teachers in the ungraded schools	4
Female teachers in the kindergarten	8
Male teachers in the Manual Training school	4
Special teachers, male	2
Special teachers, female	2
Total number of teachers in day schools	177
Male teachers in the evening schools	16
Female teachers in the evening schools	13
Male teachers in the evening drawing schools	2

V.—TABLE SHOWING THE ATTENDANCE UPON THE VARIOUS DAY SCHOOLS FOR THE YEAR 1910–1911.

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
High School	296	352	619	591	95.5	George H. Libby, Master. G. I. Hopkins, Submaster. Harry N. McLaren. Charles F. Bates. Norris D. Blake. Allan E. Herrick. Fred H. Hodgson. Arthur O. Friel. Mary J. Wellington. Mary H. Dowd. Elsie D. Fairbanks. Annie M. Vose. Edith M. Pierce. Bertha A. Blanchet. Helen I. Buck. Cora J. Russell. Edna C. Cullis. Anne G. Towle. Bertha V. Healey. Florence E. King, 2 terms. Mildred Fritz. } Assistants.
GRADES.						
Amoskeag, 8A, 7A, 6A	14	15	29	28	96.3	Blanche L. Bachelder, Principal.
" 5A, 4A, B	10	21	28	26	94.1	Edna L. Merrill } Assistants.
" 3B, 2A	11	19	28	27	95.6	Anna C. O'Donoghue } Assistants.
" 2B, 1A, B	11	29	32	28	88 3	Mildred G. Morey } Assistants.
Amoskeag Totals	46	84	117	109	93.1	

Ash-street, 8A	20	28	45	41	92 2	Edgar D. Cass, Master. Amelia L. Graupner.	
" 8B, 7A	20	18	36	33	91.0	Emma L. McLaren.	Assistants.
" 7B, 6A	26	18	43	40	93.1	Belle R. Daniels.	
" 6A, B	17	24	38	36	93.0	Emma J. Cooper.	
" 5A, B	27	26	44	40	89.4	Marjorie S. Woodbury.	
" 4B, 3A	20	15	30	28	92.0	Alice E. Good.	
" 3B, 2A	15	29	39	35	90.6	May F. Nutt.	
" 2B, 1A, B	21	23	37	34	91.1	Hulda C. Graupner.	
Ash-street Totals	166	181	312	287	92.0		
Bakersville, 8A, 7A, B	18	18	34	33	95.5	Elizabeth A. Burns, Principal. Lelia A. Brooks.	
" 6A, B	19	20	31	30	96.7	Jennie F. McGrath.	Assistants.
" 5B, 4A	18	21	38	36	95 7	Mary L. Heath.	
" 4B, 3A, B	30	27	47	43	91.3	Augusta S. Downs.	
" 2A, 1A, B	28	19	37	34	93.4	Bessie J. Bartlett.	
" 1A, B	20	28	36	33	92.2	Kathryn D. McKeon.	
Bakersville Totals	133	133	223	209	93 7		
Chandler, 6A	15	18	28	26	93.0	Hellen Morison, Principal.	
" 5A	20	18	32	30	94.6	Hattie S. Tuttle.	Assistants.
" 5B, 4A	26	18	40	37	93.6	Ede B. Shand.	
" 4B, 3A	18	29	42	39	93.3	Amy K. Northrup.	
" 3B, 2A	28	19	40	37	93.5	Delia B. Clark.	
" 2B	31	17	42	38	90.3	Jennie R. McLaughlin.	
" 1A, B	31	25	41	36	87.0	Helen N. Bly.	
Chandler Totals	169	144	265	243	91.7		
Franklin-street, 8A, 7A	17	19	31	29	91.4	Isaac Huse, Master. Caroline E. Head.	
" 7B, 6A	12	11	23	21	91.1	Frances E. Barndollar.	Assistants.
" 6B, 5A	18	22	34	31	90.9	Daisy Flanders.	
" 5B	19	14	29	26	90.5	Mary T. Morrow.	
" 4A, B	21	28	35	32	91.1	Hattie E. Read.	
" 3A, B	21	17	34	29	85.7	Josephine L. Riddle.	
" 2A, B	24	11	34	31	90.1	Grace M. Whittemore.	
" 1A, B	16	8	23	21	91.7	Ida L. Montgomery.	
Franklin-street Totals	148	130	243	220	90.5		
Goffe's Falls, 8A, B, 7A, 6B	12	12	21	20	95.1	Alice C. Taggart, Principal. Elizabeth McKelvie, Assistant in A. M., 1 term, Substitute 2 terms.	
" 5B, 4A, 3A	11	11	18	16	88.7	Edith A. Murphy.	Assistants.
" 2A, B, 1A, B	12	20	25	23	91.7	Lauretta B. Sawtelle.	
Goffe's Falls Totals	35	43	64	59	92.1		

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS.—*Continued.*

SCHOOLS.	Whole number belonging.* Boys.	Whole number belonging.* Girls.	Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
Hallsville, 8A, B.	17	21	35	33	93.8	William H. Huse, Master. Millicent S. Morse.
" 7A, B.	20	26	42	38	91.5	Olive A. Rowe.
" 6A, B.	16	30	38	34	89.8	Mary L. Mooar.
" 5A, B.	24	25	44	39	88.7	Mae L. Lovejoy.
" 4A, B.	27	17	39	34	87.5	Ina E. Tuttle.
" 4B, 3A.	27	17	39	35	89.8	Marion L. Smith. Assistants.
" 3A, B.	25	23	42	37	87.7	Martha J. Kennedy.
" 2A, B.	31	19	45	40	88.4	Vivian Mathews.
" 2B, 1A.	26	21	33	29	87.8	Alice B. Morrill.
" 1A, B.	29	33	47	39	82.5	Annie R. Corson.
Hallsville Totals	242	232	404	358	88.6	
Highland, 8A, 7A, 6A, 5A	17	11	24	23	93.8	Annabel D. Wyman, Principal. Elizabeth McKelvie, Assistant in P. M. 1 term, substitute 2 terms.
" 4A, 2A, 1A, B.	25	18	35	32	89.0	Mary E. Walker.
Highland Totals	42	29	59	55	93.2	
Lincoln-street, 8A, B.	27	16	36	34	95.1	A. H. M. Curtis, Master. Gertrude Adams.
" 7A, B.	23	26	42	39	93.1	Josephine E. Paige.
" 6A, B.	25	19	39	36	93.2	Lillian F. Crowther.
" 5A, B.	16	20	35	31	89.2	Lois D. Beck.
" 4A, B.	21	23	39	35	90.2	J. Elizabeth Cate. Assistants.
" 3A, B.	12	20	32	30	93.3	Katherine A. Frain.
" 2A, B.	18	19	38	34	90.2	Theodora Richardson.
" 2A, 1A, B	25	35	37	34	91.5	Nettie S. Rennie.
Lincoln-street Totals	167	178	298	273	91.4	

Main-street, 6B	12	16	30	28	95.1	Mary W. Mitchell, Principal.
" 5B, 4A	12	15	33	31	95 5	Hattie O. Willand.
" 4B, 3A.	18	23	39	37	94.0	M. Minnie Sturtevant.
" 3A, B.	24	20	38	35	95.2	Elizabeth F. Walsh.
" 3B, 2A	25	24	42	39	92.6	Kate T. Clarke. } Assistants.
" 3B, 2A	26	23	47	44	93.5	Mary H. O'Dowd.
" 2B, 1A	26	27	42	38	90.0	Myrtle B. Slager.
" 1A, B	34	33	41	38	93.5	Clara V. Clement.
Main-street Totals	177	181	312	290	92.9	
Merrimack-street, 5B, 3A	23	28	35	31	87.1	Nellie F. Dunnington, Principal.
" 3B, 2A	33	20	38	34	87 9	Ella M. Chapman.
" 2B, 1A	31	25	36	31	86.0	Mary A. Brennan. } Assistants.
" 1A, B.	22	37	38	29	76.0	Hazel R. Porter.
" Non-English	14	.....	17	15	87.6	Florence Prescott
" Non-English	36	30	39	32	83.1	{ Laura McKenna, substitute. { Bessie R. H. Caine, substitute.
Merrimack-street Totals	159	140	203	172	84.2	
Parker, 8A, 7A	13	12	23	22	96.9	Mary E. Moulton, Principal.
" 6A, B	19	19	34	33	97.7	Mary L. Ayer.
" 5A, B, 4A	22	22	40	38	94.8	Ethel Bartlett.
" 4B	18	29	40	39	96.8	Gertrude Mitchell. } Assistants.
" 3B, 2A, B	18	24	42	40	95 3	Eda M. Barr.
" 2B, 1A	28	24	43	41	94.5	Grace M. Brown.
" 1A, B	30	28	44	41	93.6	Maude E. Winegar.
Parker Totals	148	158	266	254	95.5	
Pearl-street, 5B, 4A	13	12	23	22	93.8	Mary G. Tynan, Principal.
" 4B, 3A	20	14	32	30	95 6	Nellie M. Smith. } Assistants.
" 3B, 2A	17	15	39	36	92.3	Florence Abbott.
" 2B, 1A, B	32	24	37	33	87.5	Alice E. Walsh.
Pearl-street Totals	82	65	131	121	92.3	
Rimmon, 8A, B, 7A, B.	8	6	17	16	91.8	Harrison N. Bowen, Master.
" 6A, 5A, B	23	13	37	33	88.8	Blanche E. Hicken.
" 4A, B	25	25	39	35	89.0	Mary E. Bulman.
" 3A, B, 2A	34	23	49	45	91.3	Louise M. Bryson. } Assistants.
" 2B, 1A	19	28	42	38	89.4	Mary S. White.
" 1A, B	36	26	41	36	86.4	Sarah Hodgman.
" Non-English	49	22	40	30	74.1	Susie Huff, substitute.
Rimmon Totals	194	143	265	233	87.5	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—*Continued.*

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Spring-street, 4A, B	34	23	39	37	94.0	Annabel Emerson, Principal.
" 3A, B	21	10	25	24	97.7	Helen F. Lyons. } Assistants.
" 2A, B	27	11	28	26	93.6	Lulu Kean. } Assistants.
" 1A, B	32	25	38	35	92.5	Sarah B. Dunbar. } Assistants.
Spring-street Totals	114	69	130	122	93.8	
Straw, 7A, B	11	13	23	22	94.0	Alta C. Willand, Principal.
" 6A, B	19	17	32	30	94.0	Ada B. Morse, 1 term. } Assistants.
						Elizabeth McKelvie, 2 terms. } Assistants.
" 5A, B	24	21	39	36	93.3	M. Eunice Willand. } Assistants.
" 4A, B	19	18	34	32	92.5	Laura M. Gould. } Assistants.
" 3A, B	26	27	43	40	92.8	Ida Crowther. } Assistants.
" 2A, B	28	15	38	35	94.5	Florence H. Moore. } Assistants.
" 1A, B	22	21	33	31	93.1	Edith M. Stebbins. } Assistants.
Straw Totals	149	132	242	227	94.1	
Varney, 8A	16	18	35	34	97.5	George Winch, Master.
						Jennie V. Williamson.
" 7A, B	21	22	39	37	96.5	E. Maria Dickey. } Assistants.
" 6A, B	17	13	38	36	94.7	Ellen E. McKean. } Assistants.
" 5A, B	21	18	37	34	92.7	Bertha L. Marden. } Assistants.
" 4A, B	23	23	38	35	92.4	Mary E. Trinity. } Assistants.
" 3A, B	24	29	46	43	93.9	Jennie M. Landers. } Assistants.
" 2A, B	32	23	46	42	92.2	Laurette McKendree. } Assistants.
" 1A, B	31	30	49	45	91.0	Annie E. Walsh. } Assistants.
Varney Totals	185	176	328	306	93.2	

Webster-street, 8A	22	22	42	39	92.3	John Gault, Master. Maud Lamprey.
" 7A, B	18	17	32	30	92 7	Lillian Whitney.
" 6A, B	9	15	23	22	94.9	Jennie Russell.
" 5A, B	18	20	38	35	93 4	Eva F. Tuson.
" 4A, B	23	19	39	37	95.2	Jean Gillan. Assistants.
" 3A, B	12	21	33	32	96.3	Marcia Moore.
" 2A, B	17	17	31	28	89.9	Agnes M. Woodbury.
" 1A, B	19	14	25	22	86.9	Sarah M. McKelvie.
Webster-street Totals	138	145	263	245	93.1	
Wilson, 8A, 7A	27	22	43	41	95 6	Barbara B. Joy, Principal. Mary E. McLaren, 1 term. Blanche L. Bryant, 2 terms.
" 7B, 6A	27	21	41	39	94 5	Helen Haskell.
" 6B, 5A	11	17	27	26	95.1	Harriet H. Richardson.
" 5B, 4A	20	22	38	36	93.9	Florence Richardson.
" 4B, 3A	30	20	42	38	90.3	Elizabeth H. Callaghan.
" 3A, B	19	26	44	41	92.1	Bertha V. Franks. Assistants.
" 2A	21	30	39	35	88.7	Florence L. Abbott.
" 2B, 1A, B	51	44	66	60	88.6	Blanche L. Bryant, 1 term. Avis Armstrong, 2 terms.
Wilson Totals	206	202	340	316	92.9	
Youngsville, 8A, 7A, 6A, 5A, 4A	22	18	35	29	82.7	Mary E. Stevens.
" 2A, B, 1A, B	26	26	46	37	79.4	Blanche L. Corning.
Youngsville Totals	48	44	81	66	81.3	
SUBURBAN SCHOOLS.						
Harvey District	11	11	19	17	87.6	Emma J. Ela.
Mosquito Pond	15	19	30	25	83.0	Marion F. Partridge.
Stark District	17	6	19	18	92.7	Jennie Bowden, 1 term. Helen M. Bullard, 2 terms.
Webster's Mills	5	4	10	8	76 0	Phoebe Riley.
Suburban Schools Totals	48	40	78	68	89.7	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—*Concluded.*

KINDERGARTENS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Chandler	27	29	41	36	89.0	Mabel B. Currier. Eugenia Morey.
Parker	21	28	28	23	81.9	Marion Ryan. Maude Avery.
Spring-street	25	22	30	28	95.6	Grace M. Carr. Ethel Church.
Straw	24	34	41	35	86.6	Jennette M. Bartlett. Elsie M. Dustin.
Kindergarten Totals	97	113	140	122	87.1	
Aggregate Totals for 1911	3189	3114	5383	4946	91.8	
Aggregate Totals for 1910	3297	3224	5541	5100	90.2	

* Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

EVENING SCHOOLS.

Summary of attendance upon the several grades of public evening schools for the year 1910–1911.

SCHOOLS.	Whole number of different pupils.		Average membership.	Average daily attendance.	Per cent of daily attendance.
	Boys.	Girls.			
Franklin-street	.....	105	92	86	93.5
Lincoln-street	131	9	73	47	64.4
Rimmon	106	47	139	103	76.7
Spring-street	194	.....	194	138	71.1
Drawing schools { Mechanical.. / Architectural }	46	.....	30	24	80.1
Totals, 1911	477	161	528	398	75.3
Totals, 1910	465	134	472	413	87.5

Evening School Teachers.

Honorie J. Crough, principal of Franklin-street school for girls.

Assistants.—Margaret G. Linen, Genieve B. Wilson, Carlena A. Savory, Mrs. Florence Prescott.

Ferdinand Farley, principal of Lincoln-street school, for both sexes.

Assistants.—Jessie P. Stevens, Katherine McDonald, Thomas A. McCabe, Sarah T. Lyons.

Carroll S. King, principal of Rimmon school, for both sexes.

Assistants.—Frank J. Kearns, Edwin M. Rogers, Arthur Blaine, Joseph Doyle, Myra V. Moore, Nora Sullivan, Adelia Murphy.

John J. McAllister, principal of Spring-street school for boys.

Assistants.—Arthur D. Benton, Harold C. Caine, John J. Donnelly, Arthur P. Morrill, Lawrence A. O'Connor, Harry E. Pillsbury, John W. Sullivan, Minnie Sullivan, Arthur J. Tonery, Mary D. F. Young.

Evening Drawing School Teachers.

John M. Kendall and Henry W. Allen.

GENERAL SUMMARY.

The following table presents the main features of interest pertaining to the attendance upon the public schools for the last twelve years; a similar table may be found in the report for 1896.

YEARS.	Average number of schools.	Average number of teachers employed.*	Enrolled in public day schools.	Average membership.	Average daily attendance.	Percentage of daily attendance.	Average attendance evening schools.	Graduated from grammar schools.†	Passed grammar schools for high school.†	Entered high school.‡	Graduated from high school.	Average number belonging to high school.
1900	126	135	5,462	4,388	3,998	91.8	179	225	214	152	72	380
1901	127	137	5,808	4,552	4,127	90 5	191	189	179	137	69	379
1902	129	142	6,123	4,876	4,480	91.9	250	221	211	159	62	390
1903	130	146	6,013	4,774	4,338	90.8	196	203	183	137	65	405
1904	133	149	5,920	4,889	4,483	91.7	197	237	214	169	80	401
1905	133	150	5,841	4,817	4,412	91.6	252	247	226	168	63	423
1906	135	152	5,703	4,907	4,531	92.3	246	261	220	161	78	455
1907	139	158	5,974	4,995	4,589	91.9	305	255	226	180	78	483
1908	141	162	5,944	5,163	4,795	92.9	315	255	236	173	103	529
1909	146	166	6,391	5,337	4,936	92.5	308	286	264	198	107	544
1910	154	174	6,521	5,541	5,100	92.0	413	280	247	220	107	589
1911	156	177	6,303	5,383	4,946	91.8	398	366	251	217	124	619

* Including special teachers, principals, assistants, etc.

† And the A class in suburban schools.

‡ From grammar schools, parochial schools, and surrounding towns. (176 from grammar schools.)

VI. Work of Truant Officer.

Date.	Absentees reported.	No. voluntarily returned.	No. reported caused to attend.	No. moved out of city.	No. found sick and unable to attend.	No. otherwise unavoidably detained.	No. not found.
1910.							
September	89	35	41	4	2	7	.....
October	92	22	53	2	4	10	1
November	63	11	37	5	2	8	.....
December	58	5	32	1	6	14	.....
1911.							
January	99	19	41	1	16	22	.....
February	39	1	9	3	12	12	2
March	57	9	21	3	19	4	1
April	65	14	32	2	9	6	2
May	67	17	27	4	7	12	.....
June	49	14	22	2	6	5	.....
Totals	698	147	315	27	83	100	6

VI. Work of Truant Officer.—*Concluded.*

Date.	Truants not enrolled found on streets.	No. of school age found on streets in school hours.	No. of families visited.	No. temporarily confined at the police station.	No. brought before the court.	Sentenced.	No. transfers investigated.	No. of notices served.	No. of employment certificates issued.
1910.									
September	12	79	176	1	.....	....	44	....	205
October	14	97	131	1	1	1	29	4	55
November	6	47	91	.....	.....	..	5	....	46
December	7	29	61	.....	.....	....	5	....	44
1911.									
January	12	114	163	1	.....	....	14	1	71
February	4	53	79	.....	...	....	32	1	53
March	3	147	104	3	.....	....	13	....	50
April	4	47	63	3	1	1	18	3	36
May	3	91	70	1	.....	....	.....	....	8
June	2	53	69	.....	.....	..	.....	....	151
Totals	67	757	1,007	10	2	2	160	9	719

VII. Finances, 1911.

Items of Account.	Appropriations.	Expenditures.
Repairs of schoolhouses	$10,000.00	$9,938.93
Fuel	12,000.00	11,386.12
Furniture and supplies	1,550.00	1,235.21
Printing and advertising	500.00	464.78
Books and stationery	50.00	22.84
Contingent expenses	4,538.46	4,538.46
Care of rooms	12,400.00	12,344.44
Evening schools	3,000.00	1,960.62
Teachers' salaries	122,700.00	122,331.91
Evening school—mechanical drawing	300.00	282.25
Free text-books and apparatus	8,000.00	7,987.59
Manual training	600.00	586.76
New schoolhouses	101,070.50	63 826.37
Fire escapes	9,800.00	7,348.25
Repairs to heating plants	4,000.00	3,448.17
Electric lights	250.00	240.33
Care of school clocks	300.00	283.00
Manual training benches	350.00	350.00
Water, Mosquito Pond school	750.00	.....
Enumeration of school children	1,150.00	911.59
Cost of city schools	$293,308.96	$249,487.62

COST OF CITY SCHOOLS.

Salaries.

Cost of city schools	$249,487.62
Members of school board	262.45
Clerk of board	150.00
Superintendent of schools	2,300.00
Truant officer	1,200.00
	$253,400.07

Receipts.

Literary fund	$3,921.12	
Tuition and free text-books*	2,391.73	
		$6,312.85
Net amount raised by taxation and from sale of bonds		$247,087.22
Received from sale of bonds		63,826.37
Net amount raised by taxation		$183,260.85

The city valuation for 1911 is $41,451,846, and hence the rate of taxation for the year is $183,260.85, divided by the valuation, or .0044+. Last year the rate was .0045+.

VIII. High School Graduation.

PROGRAM.

CHORUS, "Soldiers of Peace".....*Franz Von Blon*

Class Pianist, CARLTON FREDERICK HAMER.

SALUTATORY, "Manchester's Need of Industrial Education,"

LILLIAN HADASSAH ROSENBLUM.

CHORUS, "Rocked in the Cradle of the Deep".....*Willard-Dwight*
CLASS HISTORY,

ALAN CAMPBELL LIVINGSTON.

CHORUS, "Nightingale and the Rose".....*Carl Lehnert*
VALEDICTORY, "The Study of the Classics,"

EDNA HARRIET MARSHALL.

PRESENTATION OF DIPLOMAS,

REV. THOMAS CHALMERS, D. D.

SINGING OF THE CLASS ODE.

MEMBERS OF GRADUATING CLASS, 1911.

Boys.

Walter Murray Africa	Thomas Lewis Chalmers
Cheney Austin	Guy Wetherbee Chase
William Sanborn Bartlett	Harold Irving Davis
Maurice James Brock	Charles Stanislas Doucet
Clarence Arthur Byron	Charles Edwin Dockrill
Bushrod Hill Campbell	Everett Leslie Emery

* School tax from Londonderry, Bedford, Goffstown, Auburn, and Hooksett included.

Ezra Feldman
Rene Arthur Fugere
Leon Damon Hadley
Carlton Frederick Hamer
Proctor Hoitt
Henry Woodbridge Jenkins
Frank Reynolds Keating
Robert Stebbins Kennedy
Charles William LaFlamme
Albert Ernest LeMay
Joseph Pamphile LeMay
Alan Campbell Livingston
Bernard Henry Lovely
Francis Bartlett Manning
Scott Montgomery
Robert Morrow, Jr.
Eli Nealey Noyes
Richard McDonough O'Dowd
W. Kenneth Potts
Harris Earle Powers
Franklin Thomas Rainey
John Hollis Read
William Elgin Sanford
Kenneth Earl Sawyer
James Augustine Shanahan
Foster Fred Shepard
Arthur Jason Simons
Sanborn Cummings Sleeper
Raymond Parkhurst Stickney
Roland Lucius Stickney
Paul Thomas Whittier
John Sullivan Willis
Albert Emery Worcester
Earle Gilmore West
Charles Franklin Woodcock
Claude Ashton Woodruff

Girls.

Viola Davis Abbott
Beulah Adams
Hazel Perry Adams
Alta M. S. Badger
Elizabeth Hinckley Bingham
Bertha Florence Booth
Mary Irene Booth
Bernice V. Boyd
Helen Marguerite Bradley
Jennie Chirurg
Marguerite Coffin
Alice Florence Colby
Alison Beatrice Conway
Marjorie Mary Conway
Gertrude Rose Cronin
Marion Elizabeth Driscoll
Catherine J. Duran
Mildred Belle Erskine
Loanda Elizabeth Flanders
Mildred Lilla French
Helen Adele Gadwell
Mildred Euphemia Glynn
Ora Vivian Gould
Nettie Martha Haskell
Helen Maud Holmes
Hazel Marguerite Huff
Edna Louise Jaquith
Clarice Abra Jenkins
Evelyn Agatha Jenkins
Alice Johnson
Maud L. Jones
Esther Ruth Kemp
Bessie Dickey Kimball
Florence Lillian Knowles
Anna Augustine Lane
Marion Elizabeth Lang
Isabella Margaret Leatham
Marjorie Sara Leighton
Alice Carey Livingston
Zilla Asenath Lord
Margaret Lucile Mahoney
Edna Harriet Marshall
Myrtle Ruth McQueston
Marguerite McVicker
Beatrice M. Meader
Mildred Mary DeMoulpied
Annie Eva O'Brien
Evelyn Mary Pike
Ethel Maud Rice
Gladys M. Richards
Marion Estella Ricker
Hilda Irene Robbins

Helen Pearl Roberts
Marguerite Clara Rogers
Lilly Theresia Rose
Lillian Hadassah Rosenblum
Annie Frances Russell
Lucy Golden Rogers
Gladys Martha Seaward
Ella Marguerite Soderland
Marguerite Whipple Stoddard
Elsie Charters Taylor
Mabel Eliza Taylor
Ruth Nichols Taylor
Hazel A. Thirsk
Elsie May Tryon
Florence A. Van Brocklin
Linna A. Thompson
Ruth Elizabeth Walker
Margaret Josephine Wallace
Pearl Lucile Wason
Maude Beatrice Webster
Helen Amelia Welch
Gladys Louisa Wiggin
Elizabeth Genieve Wilson
Florence Bernice Worthley

CLASS ODE.

Written by Francis Bartlett Manning.

We leave tonight those happy halls
  Where thro' four years our life has moved
  On paths of honest work. We 've proved
That we can toil when duty calls.

We pass, but, ere departing, see
  Thro' irksome work the joy shine fair.
  It is but natural we should share
A thrill of tenderness for thee.

But tho' the Past be fair and sweet
  We turn from out her memoried folds
  To what the Future for us holds
And keeps, and, pressing forward, meet

Fresh fight! fresh gain! We buff o'er sea
  To nobler work! New triumphs come!
  And all that 's past an earnest from
The pregnant days that are to be.

IX. Winners of Clarke Prizes.

FOR EXCELLENCE IN ELOCUTION AT CONTEST, JANUARY, 1911.

First prize, $25, Pauline Lowenstam.
Second prize, $20, Mary Ellen Flanders.
Third prize, $10, Lee Dana Kidder.
Fourth prize, $5, Anna Matsson.

X. Organization. 1912.

SCHOOL COMMITTEE.

EDWARD C. SMITH, 900 Union street, *Mayor, ex officio Chairman.*
ERNEST BOURNIVAL, 286 Pearl street, *President Common Council, ex officio.*
EDWARD B. WOODBURY, *Vice-Chairman of the Board.*
CHARLES H. MARTEL, *Clerk of the Board.*

WARD 1. Ernest W. Wiesner, 19 Market street.
WARD 2. Allan M. Wilson, 293 Myrtle street.
WARD 3. Frank L. Downs, 108 Ash street.
WARD 4. William A. Phinney, 450 Manchester street.
WARD 5. John F. Lee, 224 Central street.
WARD 6. Harry L. Davis, 552 East Spruce street.
WARD 7. Edward B. Woodbury, 1 Pleasant street.
WARD 8. Frank A. Cadwell, 142 Douglas street.
WARD 9. Nazaire E. Biron, 528 Main street.
WARD 10. Francis X. Lyons, Goffe's Falls.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.
Telephone 1615.

Office Hours.—From 8 to 9 o'clock A. M., on school days, except Thursdays; Thursdays, from 7.00 to 9.00 P. M.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

TRUANT OFFICERS.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

HARRY J. WOODS.

Residence, 519 Lake avenue.

Office Hours.—11.30 A. M. to 1 P. M.; Thursday evenings, 7.00 to 9.00 P. M.

STANDING COMMITTEES.

Finance.—Mayor Smith, Messrs. Bournival, Davis, Woodbury, and Cadwell.

Text-Books.—Messrs. Wilson, Woodbury, Downs, Lyons, and Phinney.
Music.—Messrs. Lyons, Davis, and Biron.
Drawing.—Messrs. Wiesner, Woodbury, and Davis.
Manual Training.—Messrs. Cadwell, Wiesner, and Phinney.
Examination of Teachers.—Messrs. Davis, Downs, and Wilson.
Fuel.—Mr. Phinney, Mayor Smith, Messrs. Bournival, Lee, and Biron.
Repairs.—Messrs. Downs, Lee, Wiesner, Cadwell, and Wilson.
Attendance.—Messrs. Lee, Phinney, and Cadwell.
Health.—Messrs. Biron, Wilson, and Lyons.

SUBCOMMITTEES.

High.—Messrs. Downs, Wilson, Phinney, Cadwell, and Wiesner.
Amoskeag.—Messrs. Wilson, Biron, and Cadwell.
Ash-street and Webster's Mills.—Messrs. Downs, Woodbury, and Biron.
Bakersville and Mosquito Pond.—Messrs. Lyons, Phinney, and Downs.
Chandler.—Messrs. Lee, Woodbury, and Cadwell.
Franklin-street.—Messrs. Woodbury, Davis, and Lee.
Goffe's Falls and Highland.—Messrs. Lyons, Cadwell, and Wiesner.
Hallsville and Harvey.—Messrs. Davis, Wilson, and Phinney.
Lincoln-street and Youngsville.—Messrs. Phinney, Lee, and Davis.
Main-street.—Messrs. Biron, Cadwell, and Lyons.
Merrimack-street.—Messrs. Phinney, Wilson, and Downs.
Parker.—Messrs. Cadwell, Lyons, and Wilson.
Pearl-street.—Messrs. Woodbury, Wiesner, and Phinney.
Rimmon.—Messrs. Biron, Downs, and Wiesner.
Spring-street.—Messrs. Wiesner, Woodbury, and Davis.
Straw.—Messrs. Wiesner, Biron, and Wilson.
Varney.—Messrs. Cadwell, Lyons, and Downs.
Webster-street and Stark.—Messrs. Wilson, Davis, and Lyons.
Wilson.—Messrs. Davis, Phinney, and Wiesner.
Kindergartens.—Messrs. Downs, Woodbury, and Lee.
Evening Schools.—Messrs. Lee, Davis, and Biron.

XI. List of Teachers.

(Giving the name, school, grade of school, and residence of each teacher.)

HIGH SCHOOL.—BEECH STREET.

Master.—George H. Libby, 581 Chestnut street.
Submaster.—George I. Hopkins, 563 Maple street.
Assistants.—Harry N. McLaren, 527 East High street.
Charles F. Bates, 209 Russell street.
Norris D. Blake, 128 Sagamore street.

Assistants.—Allan E. Herrick, 91 Russell street.
Fred H. Hodgson, 259 Sagamore street.
Mary J. Wellington, The Delta.
Mary H. Dowd, 43 High street.
Elsie D. Fairbanks, 337 Walnut street.
Annie M. Vose, 689 Union street.
Edith M. Pierce, Goffstown, N. H.
Bertha A. Blanchet, 467 Hanover street.
Helen I. Buck, 324 Myrtle street.
Cora J. Russell, 93 Myrtle street.
Anne G. Towle, 191 Ash street.
Bertha V. Healey, 304 Central street.
Florence E. King, 41 High street.
Mildred Fritz, 754 Chestnut street.
Helen Furness, 278 Orange street.
Madge Tasker, 108 Myrtle street.
Mabel Parsons, 344 Hanover street.
Nellie K. Jones, 94 Myrtle street.
Clerk.—Vona M. Mellen, 581 Chestnut street.

AMOSKEAG SCHOOL.

Principal.—Blanche L. Batchelder (Grades 8, 7, 6), 276 Orange street.
Grades 5, 4.—Edna L. Merrill, 375 Concord street.
Grades 3, 2.—Anna C. O'Donoghue, 131 Laurel street.
Grades 2, 1.—Mildred G. Morey, 581 Union street.

ASH-STREET SCHOOL.

Second Floor.

Master.—Edgar D. Cass, 298 Prospect street.
Master's Assistant.—Amelia L. Graupner, Grade 8, 215 Walnut street.
Grade 7.—Emma L. McLaren, 319 East High street.
Grade 6.—Belle R. Daniels, 586 Beech street.
Grade 5.—Emma J. Cooper, 488 Maple street.

First Floor.

Grade 4.—Mary E. Bulman, 600 Beech street.
Grade 3.—Alice E. Good, 679 Maple street.
Grade 2.—May F. Nutt, 604 Beech street.
Grade 1.—Hulda C. Graupner, 215 Walnut street.

BAKERSVILLLE SCHOOL.

Second Floor.

Principal.—Elizabeth A. Burns (Grades 8, 7), 214 Calef road.
Principal's Assistant.—Leila A. Brooks, 34 Brown avenue.
Grades 6, 5.—Jennie F. McGrath, 350 Auburn street.
Grades 5, 4.—Kathryn D. McKeon, 279 East Spruce street.

First Floor.

Grades 4, 3.—Augusta S. Downs, 397 Merrimack street.
Grade 2.—Substitute.
Grade 1.—Substitute.

CHANDLER SCHOOL.

First Floor.

Principal.—Alice C. Taggart (Grade 6), 46 Brooklyn avenue.
Grade 2.—Jennie R. McLaughlin, 646 Maple street.
Grade 1.—Helen N. Bly, 722 Beech street.

Kindergarten.

Principal.—Mabel B. Currier, 225 Bridge street.
Assistant.—Eugenia Morey, 581 Union street.

Second Floor.

Grade 5.—Harriet S. Tuttle, 154 Lowell street.
Grade 4.—Ede B. Shand, 317 East High street.
Grade 3.—Amy K. Northrup, 454 Merrimack street.
Grade 2.—Delia B. Clarke, 368 Merrimack street.

FRANKLIN-STREET SCHOOL.

Second Floor.

Master.—Isaac Huse, 143 Mammoth road.
Master's Assistant.—Frances E. Barndollar, 1470 Elm street.
Grade 7.—Helen F. Lyons, 270 Lake avenue.
Grade 6.—Daisy E. Flanders, 714 Beech street.
Grade 5.—Hattie E. Read, 46 Water street.

First Floor.

Grade 4.—Grace M. Whittemore, 11 Nashua street.
Grade 3.—Gwendolyn A. Woodbury, 345 Hosley street.
Grade 2.—Mae E. Hills, 331 Lowell street.
Grade 1.—Ida L. Montgomery, 306 McGregor street.

GOFFE'S FALLS SCHOOL.

Principal.—Caroline E. Head (Grades 8, 7, 6), 94 Myrtle street.
Grades 4, 3.—Edith A. Murphy, 162 Winter street.
Grades 2, 1.—Anna McDonald, 31 Spring street.

HALLSVILLE SCHOOL.

Second Floor.

Master.—William H. Huse, 97 Mammoth road.
Master's Assistant.—Millicent S. Morse (Grade 8), 963 Valley street.

Grade 7.—Olive A. Rowe, 118 Walnut street.
Grade 6.—Mary L. Mooar, 330 East High street.
Grade 5.—Marjory H. McDougal, 156 Calef road.

First Floor.

Grade 4.—Ina E. Tuttle, 481 Hall street.
Grade 3.—Marion L. Smith, 1034 Hayward street.
Grade 3.—Martha J. Kennedy, 457 Milton street.
Grade 2.—Vivian E. Matthews, 481 Hall street.
Grade 1.—Alice B. Morrill, 296 Laurel street.
Grade 1.—Annie R. Corson, 36 Ray street.

HIGHLAND SCHOOL.

Principal.—Annabel D. Wyman (Grades 8 to 6), 685 Hanover street.
Grades 5, 3.—Mildred Simons, Riverdale, N. H.
Grades 2 and 1.—Mary Walker, 685 Hanover street.

LINCOLN-STREET SCHOOL.

Second Floor.

Master.—Alvah H. M. Curtis, 329 Orange street.
Master's Assistant.—Gertrude Adams (Grade 8), 332 Hanover street.
Grade 7.—Josephine E. Paige, 418 Amherst street.
Grade 6.—Lillian F. Crowther, 376 Manchester street.
Grade 5.—Lois D. Beck, 326 Amherst street.

First Floor.

Grade 4.—J. Elizabeth Cate, 502 Merrimack street.
Grade 3.—Katherine A. Frain, 262 Auburn street.
Grade 2.—Theodora Richardson, 481 Lincoln street.
Grade 1.—Nettie S. Rennie, 439 Laurel street.

LOWELL-STREET SCHOOL.

Manual Training.

Principal.—Fred E. Browne, 19 South Spring street, Concord, N. H.
Assistants.—G. Hermann Dunham, 66 Appleton street.
Charles M. Curl, 279 Ash street.
Willis R. Flanders, 328 Milford street.

MAIN-STREET SCHOOL.

Second Floor.

Principal.—Mary W. Mitchell (Grade 6), 341 Hanover street.
Grade 5.—Hattie O. Willand, 16 Monroe street.
Grade 4.—M. Minnie Sturtevant, 128 Milford street.
Grade 3.—Elizabeth F. Walsh, 166 North Main street.

First Floor.

Grade 3.—Kate T. Clarke, 313 Granite street.
Grade 2.—Mary H. O'Dowd, 703 Pine street.
Grade 1.—Myrtle V. Slager, R. F. D. No. 6.
Grade 1.—Clara V. Clement, 104 Parker street.

MAYNARD SCHOOL.

Principal.—Nellie F. Dunnington (Grade 4), 367 Lake avenue.
Grade 3.—Ella M. Chapman, 36 Vinton street.
Grade 2.—Mary A. Brennan, 487 Candia road.
Grade 1.—Hazel R. Porter, 330 East Spruce street.
Special Class.—Florence Prescott, 612 Belmont street.
Special Class.—Bessie R. H. Caine, 7 Old Falls road.

PARKER SCHOOL.

First Floor.

Principal.—Mary E. Moulton (Grades 8, 7), 265 Milford street.
Assistant.—May L. Ayer, 51 Erie street.
Grade 2.—Lorna E. Morrison, 11 Parker street.
Grade 1.—Maude E. Winegar, 186 Bowman street.

Kindergarten.

Principal.—Marian Ryan, 432 Walnut street.
Assistant.—Maude A. Avery, 352 Laurel street.

Second Floor.

Grade 6.—Frances Landers, 924 Clay street.
Grade 5.—Ethel M. Bartlett, 281 Jewett street.
Grade 4.—Gertrude S. Mitchell, 63 Harrison street.
Grade 3.—Eda M. Barr, 16 C street.

PEARL-STREET SCHOOL.

Principal.—Mary G. Tynan (Grade 4), 235 Pearl street.
Grade 3.—Nellie M. Smith, 1327 Hanover street.
Grade 2.—Florence Abbott, 333 East High street.
Grade 1.—Alice E. Walsh, 166 North Main street.

RIMMON SCHOOL.

Second Floor.

Principal.—Harrison N. Bowen (Grades 8, 7), 294 Granite street.
Grades 6, 5.—Blanche E. Hicken, West Salmon street.
Grade 4.—Alice M. Pepin, 538 Dubuque street.
Special non-English-speaking classes:
Susie A. Huff, 311 Lake avenue.
Laura McKenna, 154 New Mast road
Substitute.

First Floor.

Grades 3, 2.—Louise M. Bryson, 486 Granite street.
Grades 2, 1.—Mary S. White, 70 Kelly street.
Grade 1.—Sarah A. Hodgman, 42 George street.

SPRING-STREET SCHOOL.

Second Floor.

Principal.—Annabel Emerson (Grade 4), R. F. D. No. 2.
Grade 3.—Lou E. Kean, 271 Laurel street.

First Floor.

Grade 2.—Sadie B. Davis, 81 Winter street.
Grade 1.—Sarah B. Dunbar, 538 Lake avenue.

Kindergarten.

Principal.—Grace M. Carr, 347 Bridge street.
Assistant.—Edith Sturtevant, 605 Belmont street.

STRAW SCHOOL.

First Floor.

Principal.—Alta C. Willand (Grade 7), 16 Monroe street.
Principal's Assistant.—Marjorie S. Woodbury, 1 Pleasant street.
Grade 2.—Florence H. Moore, 841 Union street.
Grade 1.—Edith M. Stebbins, 92 Walnut street.

Kindergarten.

Principal.—Vacancy.
Assistant.—Elsie M. Dustin, 79 Pennacook street.

Second Floor.

Grade 6.—Elizabeth J. McKelvie, 326 Laurel street.
Grade 5.—M. Eunice Willand, 16 Monroe street.
Grade 4.—Laura M. Gould, 41 Brook street.
Grade 3.—Lauretta B. Sawtelle, 651 Summer street.

VARNEY SCHOOL.

Second Floor.

Master.—George Winch, 804 Beech street.
Masters' Assistant.—Jennie V. Williamson (Grade 8), 31 Carroll street.
Grade 7.—Esther M. Dickey, 38 Avon street.

First Floor.

Grade 6.—Helen M. Bullard, 286 Jewett street.
Grade 5.—Bertha L. Marden, 307 Walnut street.

Grade 4.—Mary E. Trinity, 50 Elm avenue.
Grade 3.—Jennie M. Landers, 924 Clay street.
Grade 2.—Laurette McKendree, 197 Bridge street.
Grade 1.—Annie E. Walsh, 166 North Main street.

WEBSTER-STREET SCHOOL.

Second Floor.

Master.—John Gault, 700 Pine street.
Master's Assistant.—Maude Lamprey (Grade 8), 96 Blodget street.
Grade 7.—Lillian Whitney, 488 Central street.
Grade 6.—Jennie Russell, North River road.
Grade 5.—Eva F. Tuson, 36 Appleton street.

First Floor.

Grade 4.—Jean Gillan, 7 West Appleton street.
Grade 3.—Marcia M. Moore, 841 Union street.
Grade 2.—Agnes M. Woodbury, 1 Pleasant street.
Grade 1.—Sarah M. McKelvie, 326 Laurel street.

WILSON SCHOOL.

First Floor.

Principal.—Barbara B. Joy, 481 Hanover street.
Principal's Assistant.—Blanche L. Bryant (Grades 8, 7), 382 Central street.
Grade 3.—Bertha V. Franks, 9 West Merrimack street.
Grade 2.—Florence L. Abbott, 356 Laurel street.
Grade 1.—Avis A. Armstrong, 311 Lake avenue.

Second Floor.

Grade 6.—L. Helen Haskell, 489 Hanover street.
Grade 5.—Harriet H. Richardson, 481 Lincoln street.
Grade 4.—Florence Richardson, 481 Lincoln street.
Grade 3.—Elizabeth H. Callaghan, 1017 Hayward street.
Grades 2, 1.—Marjorie E. Drew, 336 Manchester street.

YOUNGSVILLE.

Principal.—Mary E. Stevens (Grades 8, 7, 6, 5, 4), 341 Hanover street.
Grades 3, 2, 1.—Blanche L. Corning, 521 Lake avenue.

UNGRADED SCHOOLS.

Harvey.—Emma J. Ela, 585 Beech street.
Mosquito Pond.—Marion F. Partridge, 73 Sagamore street.
Stark.—Vacancy.
Webster's Mills.—Phoebe Riley, 73 Buzzell street.

SPECIAL TEACHERS.

Music.—Walter H. Butterfield, 382 Walnut street.
Maude E. Brown, 18 Brook street.
Drawing.—J. Warren Thyng, 92 Arlington street.
Annie W. Patten, 254 Laurel street.
Penmanship.—Charles Schovanck, 133 Myrtle street.

SUBSTITUTES.

Mildred H. Eager, 911 Union street.
Frances L. Farrell, 126 Lowell street.
Hazel M. Garmon, 517 Manchester street.
Florence M. Jarvis, 447 Hanover street.
Irene M. Moore, 520 South Main street.
Frances C. Murphy, 33 Appleton street.
Ethelyn M. Stearns, 33 Hall street.
Helen R. White, 70 Kelley street.
Nellie K. Bates, 645 Maple street.

JANITORS.

High School.

(Janitor and Schoolhouse Agent)

Charles F. Jack, 55 West Merrimack street.

(Assistant Janitor)

Irving W. Corning, 20 Pleasant street.

(Engineer)

George H. Jack, 53 Ash street.

Amoskeag School.

Vacancy.

Ash-street School.

John J. Kelley, 82 Arlington street.

Bakersville School.

Edwin N. Baker, 10 Brown avenue.

Chandler School.

John S. Avery, 404 Merrimack street.

Franklin-street School.

Edward A. Powers, 283 Laurel street.

Goffe's Falls School.

Louis Hueber, 2966 Brown avenue.

Hallsville School.

William H. Newry, 417 Merrimack street.

Highland School.

Marshall N. Badger, 600 South Beech street.

Lincoln-street School.

Hugh McVicar, 376 Orange street.

Main-street School.

Philip Rogler, 121 Milford street.

Merrimack-street School.

Harvey J. Johnson, 382 Merrimack street.

Parker School.

William F. Henderson, 153 Bowman street.

Pearl-street School.

Fred F. Whitten, 352 Pearl street.

Rimmon School.

Urbain Gelinas, 410 Dubuque street.

Spring and Lowell-street Schools.

Vacancy.

Straw School.

William A. Tufts, 41 Appleton street.

Varney School.

Joseph H. Buffum, 63 Boynton street.

Webster-street School.

William J. Powers, 30 Ray street.

Wilson School.

Dennis Sullivan, 262 Green street.

Youngsville School.

C. D. Emerson, Candia road.

XII. School Year. 1911—1912.

Fall term opened September 5, 1911, closed December 15, 1911. Vacation of two weeks.

Winter term of twelve weeks opens January 2, 1912, closes March 22, 1912. Vacation of two weeks.

Spring term opens April 8, 1911, closes June 21, 1912. Vacation of ten weeks.

Fall term opens September 3, 1912. Continues fifteen weeks, closes December 13, 1912.

REPORT OF THE BOARD OF HEALTH.

REPORT OF THE BOARD OF HEALTH.

To His Honor the Mayor:

The Board of Health submits the following report for the year 1911:

Mr. John B. Cavanaugh was appointed a member of the board to succeed Mr. William J. Starr, whose term expired, and at the annual meeting held February 6, 1911, Dr. Gustave Lafontaine was elected president and William K. Robbins clerk of the board.

The appropriation made by the city council for carrying on the work of the department during the year was $20,000.

The expenditures have been as follows:

OFFICE EXPENSES.

Salaries	$1,374.99
Labor	4,548.66
Office furniture	17.63
Printing, postage, and stationery	232.16
Telephone service	93.09
Express	19.53
Disinfectants	128.34
Antitoxin	1,478.52
Diphtheria examinations	16.50
Quarantined families	85.05
Carriage hire and carfares	124.69
Supplies for laboratory	56.96
Dairy inspection	103.75
Milk samples	31.10
Lighting	20.43
Incidentals	34.99
	$8,366.39

ISOLATION HOSPITAL.

Salary of matron	$300.00
Fuel	479.85
Electric lighting	113.61
Board of patients	1,448.58
Nursing	2,121.00

Telephone service	$72.77
Water	35.50
Hacks to hospital	185.00
Repairs and improvements	683.84
Furniture and supplies	481.48
	$6,011.63

SMALLPOX HOSPITAL.

Salary of matron	$360.00
Fuel	39.20
Telephone service	24.67
Water	7.24
Electric lighting	12.00
Labor	269.50
Board of patients	95.40
Medical attendance	261.00
Vaccination	662.27
Repairs and supplies	54.88
	$1,786.16

Office expenses	$8,366.39
Isolation hospital	6,011.63
Smallpox hospital	1,786.16
Medical inspection of schools	1,825.83
	$17,990.01
Amount turned in from milk license fees	$432.00
Amount turned in from board of patients	201.54

Owing to the change in salaries of the members and the change to quarterly payments, two years' salaries were paid out of this year's appropriation, which made the office expenses greater than those of last year, but with correction for this it will be noticed that the office expenditures were less than for last year.

The expenses of the Isolation hospital exceeded those of last year by approximately $900, which is mostly accounted for in three items, board of patients, nursing, and repairs and improvements upon the property.

The first two of these vary with the number of patients cared for, while the third is larger this year because of the concreting of the driveway around the buildings.

The expenses of the Smallpox hospital are somewhat smaller this year, although twenty-nine cases of smallpox were cared for, while none were treated last year, but the large decrease in vaccination expenses accounts for that.

The cost of medical inspection of schools was greater this year by about $735, owing to the fact that the work only covered part of last year, while it extended over the greater part of this year.

The total expenditures were therefore $17,990.01, leaving $2,009.99 of the appropriation unused, which was transferred by the city council to other accounts.

There was also turned in to the city treasurer during the year $432 for milk license fees and $201.54 for board of patients at the Isolation hospital.

MEETINGS.

The regular weekly meetings have been held as usual on Tuesday evenings. This gives the public an opportunity to meet the full board and bring before them any complaint or business which they wish to have adjusted, and is often taken advantage of.

Thirty-nine regular meetings and eleven special meetings for trips of inspection and such business as required immediate attention were held.

BACTERIOLOGICAL LABORATORY.

One hundred and thirty-nine examinations for diphtheria have been made during the year, thirty-three being positive or true diphtheria and one hundred and six negative.

Thirty-three of the negative results were for the discharge of patients.

As in previous years these cultures have usually been sent to the state laboratory in Concord, but the examinations are made by Dr. A. G. Straw in our own laboratory when occasion demands.

There is still a strong demand for a bacteriological branch of the state laboratory of hygiene in this city.

PLUMBING INSPECTION.

The plumbing work during the year has been greatly increased, owing to the large number of tenement and apartment houses which have been built to accommodate the increased population.

Very little trouble is experienced in enforcing the plumbing rules, as they have become too well known and the necessity for them too well understood to be questioned.

MILK INSPECTION.

Besides taking and testing samples of milk, the board has extended the work to the source of production, seeking, rather than the punishment of people for selling bad milk, to assist and encourage the production and sale of good milk.

Dairies have been found where the conditions were such that the production of clean, wholesome milk was a physical impossibility, and the sale of milk from those places was prohibited in this city, either by revoking the license or forbidding the dealer selling the products until proper conditions were provided.

On the other hand, many places have been found where the producers were really trying to produce a good article but in need of instruction and suggestions, which were given and gladly received.

The field is large and has not all been covered.

The use of a combination motor ambulance and runabout, which we hope will be provided by the council for the next year, will enable much more of this good work to be done.

The sale of loose milk from wagons and stores is still practiced and is, as always, insanitary, unfair, and dangerous to the public health.

Prosecutions have not been made for selling milk below standard because the trouble seems to be more in the system than in individual culpability.

The last legislature passed a law enabling the State Board of Health to make regulations covering this subject, but none have yet been promulgated. If this state of affairs continues it may become necessary to again ask the board of mayor and aldermen for an ordinance on this subject. The merits of the case have been discussed in detail in previous reports. It has been almost universally admitted that no one can retail out an eight-quart can of milk and have the last part as rich or clean as the first.

The dirty, unscalded measures and stirers, open cans in a common store only need to be mentioned now to make plain the unfairness and filthiness of selling loose milk. Some measure must and doubtless will be found to stop the sale of loose milk.

ISOLATION HOSPITAL.

The slight increase in running expenses of the hospital this year is due to the fact that the cases came in in such way that more expense for nursing was necessary. This is more particularly the case with the scarlet fever patients, as they remain a long time.

While it is not possible to exactly divide the expenses, a very close estimate is a cost of $40 per patient for diphtheria and $46 per patient for scarlet fever.

There were twenty-seven cases of scarlet fever treated at the hospital during the year against nine for the previous year.

The board has always been compelled to hire hacks from livery stables to transport patients to and from the hospital. These hacks have always been promptly disinfected, and no case of infection is known to have occurred from them. At the same time the board has done this under protest, as it is not good sanitary practice and is quite expensive.

This year the city council will be asked for an appropriation for a motor vehicle, a combination ambulance and runabout, so that the patients may be handled promptly and with absolute safety.

This same vehicle can also be used by the members and inspectors

for trips of inspection and especially for dairy inspection, as many of the dairy farms are so far away that reaching them all by horse-drawn vehicles would scarcely be possible in a season. No expense for chauffeur would be required, as any of the health inspectors could readily drive such a machine.

SMALLPOX HOSPITAL.

The readiness of this hospital for patients at all times was very convenient during this year, as it was found necessary to use it during some part of six different months of the year.

Twenty-nine cases were treated, twenty-six being real smallpox and three varioloid.

This is still another confirmation of the fact that it is the unvaccinated for whom this money is expended. The efficacy of vaccination is also redemonstrated in that the physician and inspectors handling all these cases did not contract the disease, and were protected from it only by vaccination.

The fact that smallpox could be present in the city during six of the twelve months of the year and cause no epidemic is undoubtedly due to the persistence with which the vaccination laws have been enforced. It would not be difficult to see what might, and probably would, have happened if the six thousand children vaccinated during the last two years had been left without that protection, with all the facilities of infection from the twenty-nine cases found, and probably as many more not reported or discovered.

MEDICAL INSPECTION OF SCHOOLS.

Owing to uncertainty of obtaining the appropriation for the work, the inspection did not begin until the opening of the spring term, and thus we can only report upon part of a year's work this time. This will probably not happen again, as an ordinance of the city puts this on the same footing as other work for which appropriations are made.

The work has proceeded without friction under the rules published in last year's report. Very much the same sort of ailments have been discovered and handled in the same way as last year.

It is too early yet to make any definite statement as to the improvement of conditions on account of the inspection.

THE TREATMENT OF VARIOUS FOOD-PRODUCTS IN COMMERCE.

This board would again warn the public of the insanitary and dangerous way in which many food-products are handled in commerce. Herein lies the opportunity to carry many of the contagious diseases.

Many cases can be traced to previous cases, but with all inquiries and searches that the inspectors can make there are many never ac-

counted for. It is reasonable to believe that many of these "sporadic" cases would never occur if well understood and inexpensive precaution were followed.

The State Board of Health was given power by the last legislature to establish regulations for this business, and it is to be hoped that the coming warm season will see many of them in operation.

This board would have all food products exposed for sale on sidewalks or in stores placed beyond the possibility of defilement by dogs.

All food which is to be consumed without peeling or cooking should be protected from flies and dust of store or street, such as candy, pickles, vegetables, berries, fruits, and products of bakeries, like bread, crackers, cookies, etc. Bread especially should be covered with clean, unused paper at the bakery. The filthiness of handling bread observed by and reported to this board is often nauseating.

All these reforms can be carried out without serious inconvenience or expense, and are already being observed by some of the candy stores, grocereis, and bakeshops.

If customers will insist on buying only food that is properly cared for most dealers will do it voluntarily and others should be compelled to.

CONTAGIOUS DISEASES.

The total number of contagious diseases during the year was four hundred and three, and of this number one hundred and seventy-two were measles.

There were one hundred and eighteen cases of diphtheria, with ten deaths; forty-seven cases of scarlet fever, from which three deaths resulted; and thirty-seven cases of typhoid fever, with five deaths.

Pneumonia was, as usual, the most fatal of all diseases, causing one hundred and thirty-seven deaths; tuberculosis, eighty-five; and cholera infantum, eighty-four deaths.

The tables of statistics and the reports of the inspectors shown on the following pages give some interesting information.

In concluding this report, we would extend our thanks to the public in general, and to the mayor and city government in particular, for the assistance and encouragement received from them in discharging the duties of this department.

Respectfully submitted,

GUSTAVE LAFONTAINE.
WILLIAM K. ROBBINS.
JOHN B. CAVANAUGH.

TABLE No. 1.

COMPARISON OF STATISTICS OF CONTAGIOUS AND INFECTIOUS DISEASES FOR THE PAST 27 YEARS.

Years.	Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1885	*	18	*	20	*	5	*	36	*	....	....	....	*	79
1886	*	9	*	12	*	....	*	5	*	....	....	....	*	26
1887	73	17	28	18	94	4	*	9	....	....	....	...	*	48
1888	126	30	35	12	44	1	187	9	....	....	....	....	392	52
1889	79	23	36	16	259	5	54	4	....	....	....	....	428	48
1890	41	9	36	17	63	3	298	6	....	....	....	....	438	35
1891	21	2	76	18	25	....	89	2	....	....	....	....	211	22
1892	26	5	33	11	44	2	451	11	....	....	....	....	554	29
1893	7	1	79	15	110	5	212	2	....	....	....	....	408	23
1894	54	23	74	21	67	3	223	8	....	....	....	....	418	55
1895	64	22	73	21	55	4	68	1	....	....	....	....	260	48
1896	120	42	81	20	500	3	61	1	1	...	....	....	763	66
1897	162	39	78	11	387	3	54	1	....	....	....	....	681	54
1898	91	21	145	14	88	3	200	9	....	....	....	...	524	47
1899	6	9	78	12	762	5	130	3	....	....	...	....	1,026	29
1900	46	13	65	11	827	1	102	6	10	....	52	....	1,102	32
1901	21	6	55	11	15	....	48	9	16	....	178	...	333	25
1902	151	31	49	8	765	5	33	2	...	....	28	...	1,026	46
1903	172	33	62	10	112	1	37	2	1	....	161	....	545	46
1904	79	15	64	13	69	....	67	1	9	....	105	1	393	30
1905	147	31	51	9	859	4	53	1	....	....	1		1,111	45
1906	197	43	32	5	23	....	93	1	....	....	....	..	345	49
1907	255	29	37	8	513	3	32	....	....	...	....	....	837	38
1908	492	41	143	18	55	....	55	....	....	....	....	..	715	59
1909	331	38	34	11	747	4	85	....	..	....	..	...	1,197	42
1910	171	25	30	8	110	...	15	....	....	...	....	....	326	33
1911	118	10	37	5	172	....	47	3	3	....	26	....	403	18

TABLE

SOME COMPARISONS OF VITAL STATISTIC

	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
Population estimated	48,000	50,000	55,000	55,000	56,000	60,000	60,000	60,000
Number of deaths, exclusive of stillbirths	963	971	977	1,020	1,051	1,018	1,001	1,068
Deaths, per thousand of population	20.06	19.42	17.76	18.54	18.77	16.97	16.68	17.80
Deaths of children under five years	500	527	546	549	531	631	521	541
Ratio, deaths of children to total deaths, percent	51.92	50.62	55.89	53.82	50.52	61.98	52.04	50.65
Deaths of children per thousand of population	10.42	10.54	9.91	9.98	9.48	10.50	8.68	9.01
Deaths from zymotic diseases	153	137	209	2.13	227	226	254	203
Deaths from zymotic diseases per thousand of population	3.18	2.74	3.80	3.97	4.05	3.77	4.23	3.38
Cholera infantum	103	89	40	146	129	110	122	78
Tuberculosis	89	79	74	76	112	88	73	91
Croup	3	4	24	14	20	14	10	10
Diphtheria	5	1	11	10	28	29	17	6
Bronchitis	39	44	56	59	51	86	45	65
Pneumonia, all forms	39	53	81	86	77	105	72	113
Heart disease, all forms	48	46	52	75	77	64	50	57
Scarlet fever	2	15	3	4	1	1	9	3
Typhoid fever	11	5	8	21	19	12	14	12
Measles	11	2	4	1	3	3	3	5
Whooping cough	.....	2	.....	2	3	13	2	15
Smallpox	.....	.....	.....	.....	.....	.....	.....	.....

No. 2.

FOR THE LAST TWENTY YEARS.

1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909	1910.	1911.
56,987	56,987	56,987	60,000	62,000	62,000	64,000	65,000	67,000	68,000	70,000	70,063
1,167	1,131	1,092	1,106	1,006	1,327	1,243	1 220	1,113	1,349	1,146	1,285
20.47	19 84	19.12	18.43	16.22	21 40	19.40	18.76	16.60	19.82	16.37	18.35
561	554	622	556	477	677	575	594	550	656	557	632
48.07	43.99	56.95	50.27	47.41	58.55	46.21	48.68	40.43	48.59	48.60	49.10
9.84	9.71	10.91	9.26	7.69	10.91	8.98	9.13	8.20	9.63	7.95	9.02
244	283	238	225	201	267	264	231	279	318	251	296
4.28	4.96	4.17	3.75	3.24	4.30	4.12	3.55	4.16	4.52	3.58	4.22
119	121	98	92	72	79	69	67	70	91	62	84
100	81	78	87	87	109	95	80	90	101	84	85
6	5	12	17	6	12	15	10	9	5	5	.....
8	3	22	17	10	22	30	20	32	29	20	10
40	38	55	40	31	23	34	53	26	45	38	51
118	105	120	112	101	132	120	130	79	155	127	137
77	75	54	73	55	74	79	91	82	80	67	95
6	9	2	2	1	1	1	.....	.....	.....	.....	3
12	11	8	10	13	9	5	8	18	11	8	5
1	.....	.....	1	.....	4	.....	3	.....	4	.....	.....
3	8	5	5	4	4	17	9	9	11	4	10
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....

TABLE No. 3.

Months.	Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Totals.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deat hs
January	18	3	7	1	.....	.....	2	....	....	....	....	..	27	4
February	8	3	2	.....	5	.....	7	1	....	....	....	..	22	4
March	7	.....	.....	.....	16	.....	3	1	....	....	....	..	26	1
April	5	.....	5	.....	26	.....	8	.....	....	....	....	....	44	....
May	5	.....	2	1	33	.....	5	1	1	....	12	....	58	2
June	2	.....	1	.....	8	.....	3	.....	....	....	3	....	17	....
July	2	2	1	.....	12	.....	3	.....	....	...	5	...	23	2
August	2	.....	5	.....	7	.....	3	....	....	....	....	....	17	....
September	7	.....	5	1	1	.....	.....	.....	....	...	1	....	14	1
October	19	1	3	.....	4	.....	5	.....	....	....	....	....	31	1
November	22	1	1	.....	21	.....	3	.....	1	....	1	....	49	1
December	21	.....	5	2	39	.....	5	.....	1	....	4	....	75	2
Totals	118	10	37	5	172	.....	47	3	3	....	26	..	403	18

TABLE No. 4.

TABLE SHOWING THE MORTALITY OF THE CITY BY DISEASES AND BY MONTHS FOR THE YEAR 1911.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Abscess of appendix					1								1
" cerebral	1			1									2
" pelvic											1		1
" pulmonary		1											1
" subphrenic				1									1
" of throat				1									1
Accident, automobile											1		1
" burned	2		3	3			1	1		1			11
" drowned				2		1	6	1					10
" electrocution							1						1
" fall	2					1	1	3	2	2	2	2	15
" poisoning	1												1
" railroad						1		1	1			1	4
" suffocation	2				1								3
Addison's disease	1												1
Alcoholism							1				1		2
Anæmia	1			2	4		3		1				11
" pernicious		2	1						2				5
Anæsthesia from chloroform												1	1
Aneurism of aorta			1										1
Angina pectoris					1						2	2	5
Apoplexy	7	13	8	5	5	4	4		10	7	5	5	73
Appendicitis			1	1			2			1			5
Arthritis, chr. rheumatic											1		1
Ascites					1								1
Asphyxiation								2					2
Asthenia												1	1
Asthma												1	1
Ataxia, locomotor					1								1
Atelectasis		2								1		1	4
Autoinoculation												1	1
Brain, softening of							1						1
Bronchitis	7	4	7	4	5	5	3	2		3	3	3	46
" capillary				1		2					1	1	5
Cancer	1							1			1		3
" of breast	1	1		1						1		1	5
" cæcum			1										1
" colon							1						1
" face							1						1
" int. maxillary						1							1
" kankroid							1						1
" liver			1	1			1			2	1	1	7
" pleura												1	1
" stomach			1	1		1	1		3				7
" throat	1												1
" tongue			1										1
" uterus	1			1	1				2				5
Cardio renal disease										1			1
Cholera infantum			1	2	2	1	47	18	8	4	1		84
Cholecystitis		1						1					2
Colitis, entero						1	2	3					6
" ileo							4						4
" tu ercular									1				1
Convulsions	2		3	4	1	1	2		1		1	2	17
Cystitis	2												2
Diabetes		2	1	1		2		1					7
" mellitus	1	2			2					1	1		7
Diarrhœa	1					1	3	2	3				10
Diphtheria	3	3					2			1	1		10
Dropsy			1		3								4
Eclampsia				2	1								3
Embolism, pulmonary	1	2					1			1			5
Empyema										1			1
Endocarditis			1	3	1	3			1		1		10
Enteritis	1				1		3	3					8

TABLE No. 4.—*Continued.*

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Enteritis, gastro		3	3			1	14	8	3	3	2		37
Epilepsy	1												1
Erysipelas					1	1							2
Fever, rheumatic		1						1					2
" scarlet		1	1		1								3
" typhoid	1				1				1			2	5
Fibroids, uterine		1											1
Gallstones, chr.						1							1
Gangrene, senile	1			1									2
Gastritis		1	1						2	1			5
Goitre, exophthalmic		1	1										2
Haemophilia	1		1							1			3
Hear., dilatation of		2							1				3
" disease of	6	2	2	2	6	2	4		7	5	5	5	46
" fatty infiltration of												1	1
" hypertrophy of				2									2
" mitral regurgitat'n of			1			1			3		1	2	8
" mitral insufficiency of							1						1
" mitral paralysis of												1	1
" valvular disease of	7	2	5	3	1	4	2		2	1	3	3	33
Heat prostration					1		19						20
Hemorrhage, gastric					1				1				2
" umbilical				2	1								3
Hernia, strangulated								1					1
Hydrocephalus					1								1
Icterus Neonatorum							1	1					2
Indigestion, acute			1		3		1	1	3		1	1	11
Injury at birth			1										1
Insolation							1						1
Intestinal obstruction			1	1	1			1	1			1	6
Intussusception				1			1	1					3
La Grippe	3	2	2									1	8
Leucocythaemia			1										1
Liver, cirrhosis of						1	1	1			1	1	5
Lungs, congestion of			1			1						1	3
Malformation of heart	1											1	2
Malignant disease of pleura							1						1
" growth											1		1
Malnutrition				1	2			3	2	3	1	1	13
Mania, acute			1			1							2
Marasmus	8	5	7	4	1	2	5	10	8	5	3	9	67
Mastoiditis	1												1
Meningitis		2	3	4	4	1	3		4	1	3	3	28
" cerebro-spinal	2		2	2	2		1						9
" tubercular	1	1		3	2	1			2			2	12
Miscarriag						1							1
Myelitis	1											1	2
" anterior, polio			1		1	1							3
Myocarditis		1	1	2									4
Nephritis	6	3	2	6	4	2	3	2		2	5	1	36
" chronic interstitial		1			3	1					2	1	8
Œdema, cerebral		1											1
" pulmonary				1									1
Old age	4	1	1		4	2	2	1		5	2	3	25
Osteomyelitis	1								1				2
Paralysis	3	6	3	1	1	2	1	2	3		1	1	24
Paraphlegia	1												1
Pericarditis			2	1								1	4
Peritonitis	3	1		3	3			1	2	1	1		15
" tubercular							1						1
Pertussis	2	1		2	2			2	1				10
Pleurisy								2			1	3	6
Pneumonia	14	8	9	8	12	2	2	4	3	5	4	10	81
" broncho	8	6	8	11	6	5		2	3	1	2	3	55
" typhoid		1											1

TABLE No. 4.—*Concluded.*

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Premature birth	4	4	3	2	2	....	1	2	7	7	6	5	43
Pyaemia	....	..	....	....	....	....	....	....	....	....	....	1	1
Pyelitis	....	....	....	....	....	....	....	..	1	....	....	....	1
Rachitis	....	..	....	....	1	....	....	....	..		....	....	1
Rheumatism	....	....	....	....	....	2	...	....	....	...	....	....	2
Sarcoma	....	1	....	....	....	....	....	..	....	...	2	....	3
Sclerosis, arterio	2	1	1	2	1	2	1	..	1	1	3	1	16
Scrofula	...	..	....	....	..	1	....	....	...		.	....	1
Septicæmia	....	....	3	1	1	2	....	3	1	1	....	....	12
Spina bifida	1	1	....	.	....	1	....	....	....	....	....	....	3
Spleen, disease of	....	....	....	....	..	....	1	....	....	..	....	....	1
Staphylococcus infec. of brain	....	....	....	....	....	....	1	...	....	....	....	....	1
Stenosis, mitral	....	....	....	...	.	....	....	...	....	....	....	1	1
Stillborn	12	8	10	13	12	8	15	9	7	8	5	10	117
Suicide by cutting throat	1	....	....	....	....	....	...	1	...	...	....	....	2
" from carbolic acid	....	1	....	....	....	...	.	....	...	...	..	..	1
" by hanging	....	....	..	1	..	....	...	...	....	....	....	...	1
" from illuminating gas	....	1	....	....	....	..	.	....	....	....	....	....	1
" by shooting	....	...	...	....	1	..	...	....	....	....	....	....	1
Surgical shock	1	1	1	....	1	2	2	2	2	....	....	....	12
Tuberculosis	....	....	...	1	2	1	1	1	....	1	1	1	9
" pulmonary	4	8	8	8	8	10	2	4	4	5	4	11	76
Ulceration of larynx	....	....	....	....	1	....	....	....	....	....	..	....	1
" stomach	....	....	....	....	....	....	1	1	....	1	....	...	3
Uræmia	2	2	....	..	2	....	1	1	....	1	....	1	10
Totals	142	115	120	126	128	87	182	107	111	86	84	114	1402

REPORT OF THE INSPECTOR OF MILK.

Gentlemen of the Board of Health:

I beg leave to submit the following report of the inspection of milk during the year 1911:

Number of samples milk, skim milk, and cream tested	1,011
brought in by milk dealers and citizens	105
collected by inspectors	896
Average total solids estimated	12.57%
Number of letters written to dealers and others	298
dealers found selling without a license	6
wagons improperly marked	6
Average acidity from January 1 to December 31	.146%
Average butter fat in 30 samples cream	28.40%

Fifteen of the milk samples collected from grocery stores were found to be below standard.

Five of the samples collected from milkmen were below standard.

Every sample was tested for formaldehyde and many additional tests were made for colostrom cells, coloring matter, carbonates, salicylic acid, boric acid, cream thickeners, and other adulterations.

During the year I have notified several milk dealers to appear before the board for violating the milk laws, and this has proved effective in stopping minor violations.

The number of licenses granted during the year was 323; 78 of these were granted to milkmen, 200 to proprietors of stores, and 45 to people keeping cows and selling milk from their own premises.

The sum of four hundred and thirty-two dollars was collected for license fees.

More than one half of the dairy farms have been inspected and scored this year.

We have used the official Dairy Instructors' association score card (which is used all over the United States), with the following results: 270 dairy farms were scored, with an average score of 46.70, which, as this was the first visit to almost all of these farms, we consider a very good showing.

We found four farms where the conditions and methods of handling milk were so bad that we thought it best to stop these dairy men from sending any milk or milk products into the city until their places were cleaned up and the method of handling milk was changed.

We find that the average milking pail is the source of a great deal of the contamination of milk; that the pail with the wire gauze

APPROPRIATION FOR NEW SEWERS

Itemized Operations

Location	Limits	Material	Description						Cost Data																	
			Size	Length	M. H.	L. H.	H. C.	C. P. C	Pipe	Brick.	Cement	Castings	Coal	Dynamite	Lumber and Tools	Lights, Repairs, Equip. Sup.	Labor	City Teams	Hired Teams	S. and S.	Nature of Excavation	Average Cut	Cost per foot	Total
Agawam	River road, westerly	Akron	10	166	1	1	3		$34.84	$11.70	$3.42	$9.85			$5.98	$4.64	$125.94	$3.88	$5.32	$10.22	Sand	7	$1.29	$214.79
Avon	Sylvester, southerly	"	12	52	1	1	2		14.82	7.20	3.42	12.50	$4.50	$19.88	6.40	1.45	186.15		25.00	14.06	Sand and ledge	7	5.68	295.38
Beech	South of Hayward to Hayward	"	15	144	1		5		54.85	10.80	2.66	9.75			17.71	4.03	94.44		4.73	9.94	Sand	7.5	1.45	208.91
Belmont	Orange, northerly	"	10	122		1	2		24.77		1.14	3.00				3.41	58.33			4.63	Gravel and ledge	6.5	.78	95.18
Boutwell	Kelley to Bremer	"	10	600	2		22		127.78	18.00	6.84	19.50			73.80	16.80	261.78		17.78	27.11	Sand	8.75	.94	569.39
Boynton	McDuffie to Bank	"	20	264	1		11		209.88	19.80	11.78	11.50			32.47	7.39	597.45		39.18	46.47	Sand and gravel	15	3.69	975.92
Bremer	Hevey east back, westerly	"	12	182	1	1	3		51.87	8.10	3.04	12.00			23.62	5.17	202.61		17.50	16.19	Sand	7	1.77	340.10
Bridge	Weston to Highland	"	12	234	1		3																	
			10	317	1		6		128.13	21.60	5.70	20.00				15.42	207.55	6.94		20.26	Gravel	7.5	.77	425.60
Byron	Merrimack river, easterly	"	24	558	2			2	372.32	27.00	7.86	20.00			29.16	10.02	336.74	4.88		40.39	Gravel	12	2.37	848.37
Byron	East of Merrimack river, easterly	"	12	280	1		2															11		
			10	432	2		12		164.22	35.10	3.92	29.50			58.42	19.93	673.48	9.76	10.00	50.21	Gravel	9.5	1.48	1,054.54
Central south back	Union, westerly	"	10	46		1	4		10.73	.45	.48	3.00			5.66	1.28	26.36			2.39	Sand	8	1.09	50.35
Chestnut east back	Sagamore, northerly	"	10	274	2		5		55.88	21.60	5.70	19.50			33.70	7.67	327.49	3.88	11.25	24.33	Gravel	8	1.86	511.00
Concord	Pine, easterly	"	10	100	1	1	2	2	21.46	9.00	1.90	12.75			12.30	2.80	86.27	2.62		7.45	Sand	8	1.56	156.55
Elm	At Summer, Green and Grove (leaders)	"	10	108	3				21.06	32.40	4.56	30.50			13.28	3.02	97.20			10.10	Sand	9	1.96	212.12
Elm	Mohroe south back, northerly	"	10	252	1		10		54.04	10.80	3.04	9.00			31.00	7.05	456.64	5.83		28.87	Gravel	13	2.40	606.27
Hall	Harvard, southerly	"	10	142	1		4		29.65	9.00	2.28	6.60			14.47	3.97	69.13			6.75	Sand	8	.99	141.85
Hayward	Beech, easterly	"	10	508	1	1	20		108.86	9.90	6.46	12.75			62.48	14.22	188.87	11.78		20.76	Sand	8.5	.85	436.08
Hevey east back	Wayne, northerly	"	10	144	1		1		28.57	9.00	2.66	9.25			17.71	4.03	42.51			5.68	Sand	8.5	.83	119.41
Hevey east back	South of Kelley to Bremer	"	10	184	1		6		38.82	9.00	2.66	9.00			22.63	5.15	88.35		7.50	9.15	Sand	8.5	1.04	192.26
Highland	Bridge to Lowell	"	12	612	1	1	21		172.77	9.00	6.84	12.75				17.13	743.26	39.68	14.44	50.79	Gravel	7.5	1.74	1,066.66
Hillside avenue	Mulford, southerly	"	10	188	1	1	5		39.11	9.00	2.66	12.75			23.12	5.26	134.35	20.53		12.33	Sand and gravel	9	1.37	259.11
Lake avenue	Pine, easterly	"	8	72	1			2	9.36	1.80	1.14	6.60				2.01	33.02			2.69	Sand	4	.78	56.62
Lowell	East of Hall, easterly	"	10	128		1	2		25.94	.11	1.52	3.00				3.58	57.08	1.55		4.63	Gravel	6	.76	97.41
Main, South	Balch avenue, southerly (top sewer)	"	8	153	1		6		21.94	7.00	2.66	6.60			11.64	4.28	76.50		16.50	7.35	Sand and gravel	7.5	1.00	154.47
Main, South	South of Balch avenue, southerly	"	22	568	3		17		537.24	34.40	47.84	30.25			58.22	15.90	402.82		82.40	63.45	Sand and gravel	11	2.34	1,332.52
Mammoth road	South of Hayward, southerly	"	15	200	1		7		76.23	10.80	3.80	9.00				5.60	140.59		7.50	12.67	Gravel	8.5	1.33	266.19
McDuffie	South Main to Boynton	"	24	259	1		9		292.76	19.80	11.78	11.50			31.86	7.25	597.45		39.17	50.57	Sand and gravel	15	4.10	1,062.14
Merrimack	East of Cass, easterly	"	10	152		1	8		33.56		1.14	3.00	13.50	40.41		4.25	408.09		22.50	26.32	Gravel and ledge	7	3.63	552.77
Montgomery east bk.	North of Kelley, northerly	"	10	159		1	5		34.14	.23	.76	3.00			19.56	4.45	65.43			6.37	Gravel and ledge	8	.84	133.94
Orange	Belmont, westerly	"	10	78	1	1	1		15.70	9.00	1.71	12.75				2.18	58.32		3.89	5.17	Gravel	5.5	1.39	108.72
Orchard avenue	Glenwood avenue to Oakland avenue	"	12	413	1		14		116.74	12.60	4.56	9.75				11.56	172.29			16.37	Gravel and ledge	8	.83	343.87
Ray	Carpenter, northerly	"	10	50				1	10.24		.38					1.40	159.09	10.83		9.09	Gravel and ledge	6	3.82	191.03
River road	North of Park ave., northerly (top sewer)	"	8	474	1	1	4	3	63.86	9.00	7.69	13.00				13.27	237.00	5.00	10.00	17.94	Gravel	7	.79	376.76
River road	North of Park avenue, northerly	"	24	364	1				378.56	36.90	9.22	10.00	104.63	358.32	52.00	101.28	3,528.70	21.44	197.49	239.92	Gravel and ledge	22.5	13.84	5,038.46
Sagamore	Chestnut east back, westerly	"	10	68	1		3		14.73	9.00	3.42	9.00			8.36	1.90	134.03	4.54	5.88	9.54	Gravel	11.5	2.94	200.40
Spruce, East	Belmont, westerly	"	24	82				3	93.08		1.14					2.29	58.52		5.00	8.00	Gravel	4.5	2.05	168.03
Sullivan	Thornton, westerly	"	12	150	1		6																	
		"	10	204	1	1	7		86.11	16.20	4.18	22.50			43.54	9.91	204.34		24.63	20.57	Sand	8	1.22	431.98
Sylvester	Forest, southeasterly	"	18	20																				
		"	15	138	1		2		60.68	12.60	5.32	9.75			19.43	4.42	324.81		45.00	24.10	Sand	8.5	3.20	506.11
Sylvester	Forest to Avon	"	12	46																				
		"	15	68	1		2																	
		"	18	267	1		5		185.60	24.30	10.26	19.25			46.86	10.66	329.53		78.05	35.22	Sand	8	1.94	739.73
Third	Bath, northerly	"	12	40			1	1	11.70	.45	.57					1.12	23.67			1.87	Sand	8.5	.98	39.38
Walnut east back	Lowell, northerly	"	12	250	2		12	2																
		"	10	185	1		7		113.61	25.02	8.36	23.95			53.51	12.18	391.37	11.19	9.63	32.44	Sand	8	1.56	681.26
Wayne	McGregor to Main	"	15	151	1		4	4																
		"	12	114	1		2		90.91	21.60	8.74	18.75			32.63	7.42	372.49			27.62	Sand	10	2.19	580.16
Woodland avenue	Glenwood avenue, northerly	"	10	179		1	7		38.53		2.66	3.00				5.01	298.70	4.68	5.00	17.87	Gravel	12	2.09	375.45
				10,751	49	16	280	20	$4,074.65	$539.26	$227.87	$510.10	$122.63	$418.61	$861.52	$391.76	$13,138.74	$169.01	$705.34	$1,057.75				$22,217.24

strainer is the filthiest of all, and almost always the spout is coated with milk in various stages of decomposition.

We do all we can to discourage the use of this kind of pail, and recommend the small-top milking-pail, which, with reasonable care, will insure clean milk and is easily cleaned and kept sanitary.

Another bad feature is that the cows in many barns are not properly cared for, only a small amount of bedding being provided, and in some cases no bedding being used, with the result that the cows are caked with manure on the flanks and udder, which dries on to the hair and while the cows are being milked particles of manure and dirt continually drop into the milk.

The dairy man claims that he can strain the dirt out and the milk will be all right, but how about the manure which dissolves in the warm milk? How can he strain this out?

It is a lamentable fact that milk is produced on many farms as a by-product, that is, the cows are kept to make manure to fertilize the land and the milk is handled like potatoes, no care or cleanliness being given it.

The sole purpose is to get it off their hands as soon as possible and with as little work as they can. The milking-pail is only rinsed out with cold water and the cans are filled as they come from the creamery, very often never being opened and aired out.

These are the dairies where we get most of the dirty milk and where education and arguments seem wasted.

In conclusion, it seems to me that the State Board of Health should make rules requiring all persons raising milk for sale to card and clean their cows each day, provide suitable bedding, use only approved milking utensils, whitewash their cow stables once each year, and keep the place reasonably clean and satisfactory to the inspector of the State Board of Health.

We propose to make a return visit to all farms that fail to come up to a certain score, and if conditions are not improved enough to bring the score up to 40 or perhaps 50, we will make a formal complaint to the State Board of Health, under Chapter 15. Statute Laws of 1911, which reads as follows:

SECTION 1. The existence or maintenance of any unclean, unhealthful, or unsanitary condition or practice in any establishment or place where food is produced, manufactured, stored, or sold, or of any car or vehicle used for the transportation or distribution thereof, is forbidden.

SECT. 2. For the purpose of this act the term "food" as used herein shall include all articles used for food, drink, confectionery, or condiment, whether simple, mixed, or compound, and all substance and ingredients used in the preparation thereof.

And for the further purpose of this act unclean, unhealthful or unsanitary conditions or practices shall be deemed to exist if the floors, sidewalks, and ceilings are not properly constructed and main-

tained subservient with this requirement; or if food in the process of production, storage, sale or distribution is unnecessarily exposed to flies, dust, or dirt, or to the products of decomposition or fermentation incident to such production, storage, sale or distribution; or if any person is being permitted to use as a sleeping-room any place where food is prepared for sale, stored, served or sold; or if any employer shall knowingly permit or suffer any person who is affected with consumption, tuberculosis, or any other communicable disease to work in such place; or if there is any other condition or practice which shall be deemed as endangering the wholesomeness of food.

SECT. 3. The state board of health, or its inspectors, or special agents designated for that purpose, shall have full power and authority at all times to enter and inspect every building, room, or other place occupied or used for the production, storage, sale or distribution of food, and all utensils and appurtenances relating thereto.

And if any person, firm, or corporation is found to be violating any of the provisions of this act, then the state board of health shall issue an order to the aforesaid to abate the condition or practice in violation, within such time as may be deemed reasonably sufficient therefor. Such order shall be transmitted by registered mail and the receipt of the postoffice therefor shall be prima facie evidence of its receipt by the person or persons affected.

SECT. 4. The state board of health is empowered to make all necessary rules and regulations for the enforcement of this act; and it shall be the duty of local boards of health to assist in carrying out the provisions of this chapter whenever so requested by the state board of health.

SECT. 5. Any person, firm, company, or corporation violating any of the provisions of this act and failing to comply with the lawful orders and requirements of the state board of health duly made and provided in sections 3 and 4 of this act, or whoever hinders or obstructs any inspector in the pursuit of his lawful duty shall be guilty of a misdemeanor, and upon conviction shall be punished by a fine not exceeding ten dollars.

SECT. 6. All fines collected for the violation of this act shall be paid to the state treasurer.

SECT. 7. This act shall take effect and be in force upon its passage.

(Approved February 22, 1911.)

RULES AND REGULATIONS.

Under the provisions of this act, the existence or maintenance of any unsanitary condition or practice in any . . . creamery, cheese-factory, dairy, dairy barn, milk depot . . . ice-cream plant, . . . or in any car or vehicle used for the transportation or distribution of food is forbidden.

The sidewalls and ceilings of every . . . creamery, cheese-factory, . . . ice-cream plant, . . . shall be well plastered, wainscoted or sealed with metal or lumber and shall be oil painted or kept well lime washed, and all interior woodwork in such places shall be kept well oiled, or painted with oil paints and be kept washed clean; and every room, basement or cellar in which food is produced, stored or sold shall have a suitable floor of cement, tile, brick, wood or other non-absorbent material which can be flushed and washed clean.

The doors, windows, and other openings of every food-producing or distributing establishment, during the fly season shall be fitted with self-closing screen doors and window screens, which shall be maintained in good repair.

Toilet rooms shall be separate and apart from the room or rooms in which food is being handled. Such toilet rooms shall be provided with independent ventilation and shall be kept clean at all times.

All persons engaged in handling food shall, before commencing work or after visiting the toilet, wash their hands.

The clothing and persons of such employees shall be clean.

All refuse, dirt, and waste products subject to decomposition shall be removed daily; and all trucks, trays, boxes, baskets, cans, and other receptacles, . . . racks, tables, shelves, . . . and other utensils and machinery used in connection with the preparation or handling of food shall be maintained in a cleanly condition.

Cuspidors shall be provided wherever necessary and each cuspidor shall be emptied and thoroughly washed daily with disinfectant solution.

No person shall expectorate on the floors or sidewalls of any place where food is handled. The use of tobacco in the workrooms of any . . . creamery, dairy, milk depot, ice-cream plant . . . is forbidden; nor shall any such place be used as a sleeping-room.

The foregoing rules and regulations were adopted by the State Board of Health at a regular meeting held May 9, 1911.

IRVING A. WATSON,
Secretary.

Under the title "What Adulteration and Misbranding Are Under the Law," is the following in regard to milk:

"Milk.—The standard requires not less than twelve percent of total solids. Milk containing any visible sediment (manure, bedding, hairs, etc.) will be deemed as adulterated under the law, as will milk produced from sick or diseased animals."

Thus the importance of clean milk is readily seen, and its production under clean, sanitary conditions is one of the most essential things in bringing about good results.

Respectfully submitted,

CARL O. SEAMAN,
Milk Inspector.

PLUMBING INSPECTOR'S REPORT.

PLUMBING FIXTURES SET.

Number of tank water closets	1,166
sinks	814
bathtubs	751
wash basins	936
washtrays	519
urinals	19
refrigerators	24
slophoppers	8
showerbaths	3
frost-proof waterclosets	2
Other fixtures not classified above	21
Total number of fixtures put in	4,265
Number of plumbing notices filed	458
water tests of soil pipe made	740
rain leaders	166
stacks of soil pipe made	563
smoke tests of soil pipe	11
defects and leaks found	182
complaints investigated	35
fixtures and pipes found unserviceable and repaired	32
letters written	27

One hundred and twenty-nine consultations with owners, tenants, agents, plumbers, etc., were held.

A total of 2,379 inspections were made of the work during its progress and after its completion.

The plumbers of the city have been unusually busy during the year, and it is safe to say that the grade of work done and of materials used improves each year.

The Board of Health has ruled that no direct pressure flushing valve shall be used on water closets unless the main water pipe, from the street main to the water closet supplied, is at least one and one quarter inches in diameter throughout its whole length.

This is the only recent change which has been made in the plumbing rules.

Respectfully submitted,

CARL O. SEAMAN,
Plumbing Inspector.

SANITARY INSPECTOR'S REPORT.

Gentlemen of the Board of Health:

We beg to submit the following as the report of the work of the sanitary inspectors for the year 1911:

Vaults and privies inspected	54
Vaults inspected after cleaning	21
Waterclosets inspected	1,405
Urinals inspected	115
Sinks inspected	1,047
Yards and alleys inspected	1,288
Cellars inspected	1,077
Barns and outbuildings inspected	303
Tenements inspected	862
Barn cellars inspected	373
Teams and riggings of excavators inspected	8
Soaperies and slaughterhouses inspected	35
Vaults and privies ordered cleaned or repaired	18
Urinals cleaned or repaired	15
Yards and alleys cleaned	234
Cellars cleaned	210
Barn cellars cleaned	44
Sheds, etc., cleaned and inspected	82
Tenements cleaned	32
Waterclosets cleaned or repaired	417
Sinks trapped or repaired	107
Leaky drainpipes repaired	112
35 cesspools were inspected and 15 ordered cleaned.	
156 swill boxes and chutes were inspected.	
Houses within 100 feet of the public sewer and not connected therewith	11
Filthy hallways and roofs ordered cleaned	38

Openings other than leaks in the drainage system were found in 26 places and same were ordered closed by the department.

Ninety-eight bathtubs and washtrays were inspected.

Sewage was found running upon the surface of the ground in 18 places, and such nuisances were abated either by entering the sewer or carrying away in some manner not offensive.

In doing the work of the department it has been necessary to make 3,986 calls and to write 277 letters.

Four hundred and forty-three complaints have been investigated.

In 378 cases the inspectors have been able to give relief, and in 65 cases it was found that no cause existed or that same was beyond the control of the department.

Thirty-five complaints were made against the scavenger service; in each case the proper parties were notified and relief afforded.

Thirty-six persons were found throwing garbage in the back streets and were warned against the practice.

Private swill collectors have been warned 38 times to be neater in their work.

Forty dead animals have been properly disposed of.

One hundred and twenty-nine hens and small animals have been removed from cellars.

Sixty-two swine and cows have been discovered being kept within the sanitary limits of the city without licenses. The same were ordered removed or licenses procured.

Eight notices have been prepared and served and proper returns made.

One hundred and seven catch basins or street cesspools have been inspected, and 31 have been flushed or repaired by order of this department.

A sanitary inspection has been made of 53 bakeshops and 23 stores, and 24 bakeshops have been ordered cleaned. Theaters have been inspected 5 times, circuses 2, and sausage factories 12 times.

Four laundries, 6 restaurants, 7 hotels and boarding-houses, 10 creameries and 2 cemeteries were inspected. Eighteen junk dealers were found storing rags and junk without a license.

The dumps have been inspected 26 times; found insanitary 6 times. Ninety-four nuisances not otherwise classified have been abated through the efforts of this department.

Permits to the number of 1,582 have been granted for the burial and removal of dead bodies, and the returns forwarded to the city registrar.

A statement of mortality has been prepared each month and copies sent to about 300 other towns and cities, to local physicians, etc.

Weekly reports of contagious diseases have been sent to the State Board of Health at Concord, the Marine Hospital service at Washington, D. C., and to the superintendent of schools, and the city librarian. Samples of water, oysters, and ice cream were sent to the state laboratory for analysis. Ten hundred and eleven samples of milk were collected.

Contagious and infectious diseases have been reported as follows: Measles, 172; diphtheria, 118; typhoid fever, 37; scarlet fever, 47; smallpox, 26; varioloid, 3; total, 403.

In some cases disinfectants were being used and the inspectors ordered their use in other cases. At most of these places instructions

were given as to their use, and in many cases the department furnished the disinfectants.

In some cases patients were found well isolated, and in other cases inspectors were obliged to order isolation, and in all cases to give instructions as to the steps to be taken.

Houses were watched to see that the rules of isolation were complied with and several funerals were attended to prevent a too public observance of the same.

Fourteen hundred and thirty-eight rooms where diseases had existed were fumigated by the inspectors; 318 of these were for tuberculosis.

About 3,000 pamphlets issued by the State Board of Health have been distributed in localities where contagious diseases existed.

The shores of Lake Massabesic were patroled by the inspectors on Sundays, holidays, and through the week during the summer season.

Icefields from which ice was being cut were inspected and several picnics and band concerts were attended to prevent the careless disposal of waste and rubbish in the lake or on its shores.

Respectfully submitted,

JOHN F. LOONEY,
WILLIAM B. BLAKE,
JOSEPH X. DUVAL,
Sanitary Inspectors.

REPORT

OF THE

CHIEF ENGINEER, FIRE DEPARTMENT.

REPORT OF THE CHIEF ENGINEER OF FIRE DEPARTMENT.

CHIEF ENGINEER'S OFFICE.

CENTRAL STATION, NO. 8 VINE STREET.

MANCHESTER, N. H., December 31, 1911.

To the Honorable Board of Mayor and Aldermen of the City of Manchester, N. H.:

In compliance with law and ordinances of the city, I herewith submit my thirty-third annual report of the fire department, it being the sixty-sixth of this city.

The department responded to one hundred and eleven (111) bell alarms, and three hundred and ninety-two (392) still alarms, making a total of five hundred and three (503), seventy-seven (77) more than the previous year.

There have been two second alarms, one for the First Baptist church fire on the first day of the year, and the second one was on July 3, for a fire in the block of Mrs. Charlote E. Woodbury in the "Flatiron" district in McGregorville; ten have been false alarms, one hundred forty-seven (147) for grass, brush, and forest fires; one hundred and forty-one (141) chimney fires.

The department has laid one hundred and fifteen thousand, four hundred and fifty (115,450) feet of hose; "thrown" five thousand, two hundred and forty (5,240) feet of ladders; used four hundred and forty-eight (448) pony extinguishers, two hundred and eight (208) chemical tanks.

The value of buildings and contents where the department has responded to alarms, with the amount of insurance, loss, and insurance paid, as near as I was able to obtain, are as follows:

Value of buildings where losses have occurred.....	$436,170.00
Value of contents where losses have occurred.....	61,825.00
Total value.....	$497,995.00
Insurance carried on buildings.....	$252,950.00
Insurance carried on contents.....	61,825.00
Total insurance carried.....	$314,775.00

Damage to buildings	$42,908.43	
Damage to contents	20,939.05	
		$63,847.48
Insurance paid on buildings	$40,886.88	
Insurance paid on contents	16,801.80	
		57,688.68
Net loss over and above insurance		$6,158.80

Notwithstanding the large number of fires and alarms, the net loss is unusually small, as shown by the foregoing figures.

THE MANUAL FORCE

of the department at the present time consists of sixty (60) permanent and one hundred and twenty-one (121) "call" men, making a total of one hundred and eighty-one (181) members, and are assigned as follows:

	Permanent	Call	Total
1 chief engineer	1		1
4 assistant engineers		4	4
Engine Company No. 1	4	7	11
Engine Company No. 2	4	7	11
Engine and Ladder Company No. 3	5	15	20
Engine Company No. 4	4	7	11
Engine and Ladder Company No. 5	5	15	20
Engine and Ladder Company No. 6	5	15	20
Engine and Ladder Company No. 7	5	15	20
Hose Company No. 1	2	6	8
Hose Company No. 2	2	6	8
Hose Company No. 3	2	6	8
Combination No. 2	2	6	8
Aërial truck No. 1	3	9	12
Chemical No. 1	3	2	5
Auto-Comb. Chemical and Hose Wagon	8		8
Spare (Sub.) Members	5		5
Driver Supply Wagon		1	1
	60	121	181

The placing in commission Ladder No. 7 at the Somerville-street station increased the force one permanent and eight call men; and the granting of one day off in ten necessitated the addition of four permanent spare men to act as substitutes on the days off.

THE APPARATUS

consists of 7 steam fire engines, 11 hose wagons (two combination chemicals, one with ladders attached), 5 hook and ladder trucks (one an eighty-five foot aërial, carrying other ladders), 1 chemical

engine, with two sixty-gallon tanks, 1 automobile combination wagon, with one thirty-five-gallon tank, 9 exercise wagons, 1 supply wagon, 2 spare one-horse hose carriages, 1 fire-alarm telegraph repair wagon, 1 chief's wagon, located as follows:

Central Station: Two first size Amoskeag steamers, each with one-horse hose wagon attached, 1 three-horse hitch, 85-feet aërial truck, 1 automobile combination chemical and hose wagon, 1 two-horse hose wagon, 1 double (sixty gallons) tank chemical engine, 1 supply wagon, 1 exercise wagon, 1 chief's wagon, 1 repair wagon for fire-alarm telegraph.

North Main-Street Station: One second size Amoskeag steamer (three-horse hitch), 1 two-horse combination chemical and hose wagon, 1 old U tank steamer in storage, 1 exercise wagon.

McGregorville Station: One second size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

Lake Avenue Station: One first size Amoskeag steamer, with three-horse hitch, 1 two-horse hose wagon, 1 hook and ladder truck (three-horse hitch), 1 exercise wagon, 1 one-horse hose carriage (in storage).

Webster-Street Station: One third size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

Maple-Street Station: One two-horse hose wagon, 1 exercise wagon.

South Elm-Street Station: One two-horse combination hose wagon, carrying ladders, 1 exercise wagon.

Wilson Hill Station: One two-horse combination chemical and hose wagon, 1 exercise wagon, 1 one-horse hose carriage (in storage).

Somerville-Street Station: One second size Amoskeag steamer (with three-horse hitch), 1 two-horse hose wagon, 1 hook and ladder truck, with a forty-gallon chemical tank and 200 feet chemical hose attached, 1 exercise wagon.

In addition to the foregoing there is 1 hose carriage in Amoskeag on Front street, 1 hose carriage corner Massabesic street and Mammoth road, 1 hose carriage, Goffe's Falls, each manned by volunteers, 5 sleds used as hosesleds in the winter.

A new "City" ladder truck has been added to our equipment and located at the Somerville-street station. The aërial truck has been remodelled, a Dahill pneumatic hoist attached, new and modern trussed ladders taking the place of the old cumbersome ones, and has been furnished with rubber tires and band brakes. Several of our wagons and trucks have also received rubber tires and band brakes, and we hope soon to have all the apparatus so equipped.

THE BUILDINGS.

A new station has been built at Goffe's Falls, and one-horse hose

reel placed therein, and when the house is furnished will afford convenient quarters for the newly-organized volunteer company.

The lot upon which this house was built was donated to the city "for fire department use" by Mr. A. F. Nettle. Arrangements should be made for one of the horses of the street department to be kept and worked in that vicinity so that the horse might be available at all times to draw the carriage, in case of fire, any distance from the station.

No material alterations have been made at the other stations, and the repairs have promptly and economically been made by the superintendent of buildings.

Considerable inconvenience and discomfort has been experienced this winter at the Central station in consequence of the deficient heating apparatus. The boiler, which was installed nearly *thirty-two years ago*, and designed to heat only about half the space now required, could not be "rushed" hard enough during the cold weather to make the quarters comfortable. A much larger boiler should replace the present one during the coming summer, whether our new Central station materializes or not.

THE HORSES.

There are fifty-five (55) horses in use in the department at the present time, and with but few exceptions, barring accidents, appear to be able to perform the service required of them for the coming year.

THE FIRE-ALARM TELEGRAPH.

For many years I have advocated placing the wires of this system underground, in vacant ducts already furnished and reserved for this purpose by the New England Telephone & Telegraph Company, remodelling the entire system, and locating it in a modern, strictly fireproof building. The risk to life and property by retaining it in its present locality cannot be estimated, and the earliest attention of the council to this matter and a liberal appropriation should be given.

The present system has been in operation for forty years and many of the original instruments are still in service; it is now overloaded far too much for safety.

The tower striker on the Bakersville school has been transferred to the East Manchester school building. Box 221 has been transferred from Taylor street and Holly avenue to Oakland and Woodland avenues, and box 36 from Amory mills to Elm and Sagamore streets.

Three new boxes have been added, to wit: Box 221, corner Taylor street and Holly avenue (to replace 211); box 244, corner Hanover street and Mammoth road, and box 571, corner Shirley street and Rockland avenue.

CASUALTIES.

January 1. Algernon B. Skinner of Truck No. 1, while working at

the Merrimack-street Baptist church fire, box 21, injured hand and blood poison set in. Off duty eighty-four days.

January 6. Doria Dionne, the thirteen-years-old daughter of Joseph Dionne, fatally burned by clothes taking fire from stove. Died in about nine hours.

January 17. Albert M. Tuson of Chemical No. 1 at an alarm from box 313 sprained knee. Off duty twenty-eight days.

January 25. Will G. Fraser of Squad A, while working at the pulp mill fire at Grasmere, sprained ankle. Off duty forty-five days.

Henry C. Parsons, driver of hose for Engine No. 4, kicked by a horse while in station. Off duty seven days.

March 1. Charles H. Rogers, driver of Hose No. 1, in trying to avoid collision with team, collided with curbstone at corner of Concord and Chestnut streets and was thrown under the wagon. Off duty sixty-eight days.

April 1. While working at a fire (box 3) at L. O. Spector's junk-shop, at No. 283 Elm street, the upper (second) floor fell, pinning Capt. Clarence R. Merrill and Hosemen Ernest E. Austin, William E. Geer, Clarence J. Dolloff, and James H. McKenzie under it. Miraculously all escaped without serious injury, except McKenzie, whose spine was injured to such an extent as to incapacitate him for duty up to the present time, although he has somewhat improved.

June 3. At a still alarm fire in a barn in rear of No. 48 Concord street, owned by John F. Mahaney, a boy by name of Blakey Shufret was severely burned while playing with matches.

July 6. Lieut. Edwin E. Quimby of Squad A, while working at a fire (box 14), No. 60 Prospect street, was so overcome by heat and smoke that he fell down stairs. Off duty seventeen days.

September 1. Arthur J. Provost of Squad A, while cranking the automobile for an alarm from box 71, injured his leg by the fly-back of crank. Off duty eighty-one days.

November 5. Dana M. Wilson of Engine and Ladder No. 3 was injured while trying to get on the truck while it was on its way to a fire, box 21. Off duty thirty-eight days.

THE FIREMEN'S RELIEF ASSOCIATION

had a substantial donation by the will of the late Emily Smith and numerous other liberal donations from several citizens. The financial condition is as follows:

Balance on hand, annual meeting, February 13, 1911....	$10,091.45
Legacy (will of Miss Emily Smith), with interest.....	3,042.75
Balance of inheritance tax repaid.....	159.00
Interest and deposits in savings banks.....	382.67
Donations:	
Dr. C. F. Flanders.....	5.00
Carr Bros. (in business at Grasmere).....	25.00
James A. Scully.....	10.00

George H. Chandler	$25.00
American Locomotive Co.	25.00
A. O. Brown, guardian	25.00
Jeremiah Hodge	30.00
Mrs. Edward Wagner	50.00
James W. Hill Co.	25.00
Town of Bedford, N. H.	50.00
Town of Goffstown, N. H.	50.00
C. Fred Fearon	5.00
Manchester Savings bank	25.00
David Cross	25.00
Cyrus A. Sulloway	50.00
Benjamin E. Thompson	5.00
A friend	10.00
Walter M. Parker	25.00
Mrs. George Hosser	25.00
Oscar P. Stone, membership dues	202.00
	$14,367.87

Cr.

By inheritance tax withheld	$150.00
Paid Charles Edgar, benefit and doctor's bill	34.00
A. B. Skinner, benefit and doctor's bill	134.00
Will G. Fraser, benefit and doctor's bill	82.00
Henry C. Parsons, benefit and doctor's bill	11.50
Albert M. Tuson, benefit and doctor's bill	39.00
Charles H. Rogers, benefit and doctor's bill	93.00
Lieut. Edw. E. Quimby, benefit and doctor's bill	27.00
Arthur J. Provost, benefit and doctor's bill	98.50
Dana M. Wilson, benefit and doctor's bill	49.00
James H. McKenzie, benefit and doctor's bill	105.90
	$853.90
Leaving a balance to new account	$13,513.97

All progressive municipalities are fast installing motor-driven apparatus, and I unqualifiedly recommend the purchase of another automobile combination chemical and hose wagon for the West Side, thus giving the department another "Flying Squadron" and for the protection of property on that side of the river. The ability of such a piece of apparatus to "get there quick" and stop or retard a fire has been fully demonstrated by our Squad A in the fifteen months it has been in service.

I would recommend the purchase of an automobile for the use of the chief engineer's department. The horse now in service will soon have to be replaced for another one, or an automobile.

I would also recommend the purchase of a chassis, upon which may be constructed a body suitable for fire-alarm work, and also be used

as an emergency wagon in case of brush fires, for carrying coal, in case of large fires, and general use in the department.

A two-door house on the West Side, south of Squog river, and an auto-drawn city truck is much needed and should receive your early consideration.

I would recommend the alteration of the hall connected with Engine and Ladder Station No. 7 on Somerville street, giving more commodious quarters for the increased number of men who have been added to the company as well as making more room for a hay-loft.

For a new fire-alarm headquarters I would strongly recommend a *separate building* rather than connected with our new(?) Central station.

We should be considering the changing of our heavier apparatus from horse-drawn to motor-driven machines, by use of tractors. Some are already on the market and others are coming to the front, and practicable ones can soon be obtained.

In closing, I wish to extend my thanks to his Honor, the Mayor, and city councils, particularly the committee on fire department, the police department, who have contributed to the success of the department, and to the officers and members for their cordial support and zealous work.

Respectfully submitted,
THOMAS W. LANE,
Chief of Fire Department.

Number and Location of Fire Alarm Boxes and Keys.

A KEY IS ATTACHED TO EACH BOX (with few exceptions), and can be had by breaking the glass.

No. 3. American Locomotive Company's lower shop. Keys at offices of gas-works, county jail, Manchester Coal & Ice Company's sheds, and the Hutchinson shop building.

No. 4. Corner Spruce and Elm streets. Keys at Hotel Milford, L. B. Bodwell & Co.'s, Palmer & Garmon's, street railway stables, and office of Blodgett & Young's block.

No. 5. Corner of Merrimack and Elm streets. Keys at Price's and Hanscom's drug stores, Manchester House, and J. W. Hill Company's store.

No. 6. City hall. Keys at Holland's and Weeks' drug stores, Riddle block office, and residence of J. L. Brock, 21 Amoskeag Corporation.

No. 7. Police station, corner of Manchester and Chestnut streets. Keys at chief of police's office and with all police officers.

No. 8. Corner Elm and Hollis streets. Keys at Dante Smith's and Leblanc & Provencher's drug stores, and Partridge Brothers' grain store.

No. 9. Corner of Elm and Webster streets. Keys at residence of Mrs. H. D. Corliss, estate J. Freeman Clough, and station of Engine and Ladder No. 5.

No. 12. Corner of North and Pine streets. Keys at residence of Mrs. Walter A. Green and O. D. Knox.

No. 13. Corner of Brook and Chestnut streets. Keys at residence of Welcome Jencks and Mrs. Lewis Simons, No. 1 Senter's block, and Steele's grocery store.

No. 14. Corner of Prospect and Union streets. Keys at residences of Mrs. W. Ireland, D. J. Adams.

No. 15. Corner of Pearl and Chestnut streets. Keys at residences of Henry W. Shannon and J. Fred Chalker.

No. 16. Corner of Lowell and Union streets. Keys at residences of Rt. Rev. Bishop Guertin and R. H. Hassam.

No. 17. Corner of Amherst and Beech streets. Keys at residences of Miss Mary A. Watts and Michael Connor.

No. 18. Corner of Manchester and Maple streets. Keys at residences of the late H. E. Stevens, A. N. Baker, and William Perkins' estate.

No. 21. Corner of Merrimack and Pine streets. Keys at E. R. Monette's drug store, A. L. Walker's office, and residence of James F. Gillis.

No. 23. Corner of Central and Beech streets. Keys at the residence of the late Eben T. James.

No. 24. Engine and Ladder Company No. 3 house, corner of Massabesic street and Lake avenue. Keys at the residence of D. M. Goodwin and station of Engine and Ladder No. 3.

No. 25. Corner of Hanover and Ashland streets. Keys at residences of George F. Lincoln, Mrs. A. D. Gooden, and James R. Straw.

No. 26. Corner of Bridge and Russell streets. Keys at McCrillis' carriage shop.

No. 27. Corner of Belmont and Amherst streets. Keys at residences of E. S. Fletcher, Dr. Walter T. Crosby, and Mrs. William Carr.

No. 28. Corner of Merrimack and Beacon streets. Keys at residences of A. L. Garmon and H. B. Fairbanks.

No. 29. Corner of Hall and East High streets.

No. 31. Corner of Canal and Hollis streets. American Locomotive Company's shop. Keys at office, Amory mills, Langdon Mills watchrooms.

No. 32. Langdon Mills block, corner of Canal and Brook streets. Keys at the Amoskeag Paper Company's mill, Langdon watchroom, and electric light station.

No. 34. Jefferson Mill. Keys at watchroom and pumping station.

No. 35. Stark Mills. Keys at watchroom.

No. 36. Corner Elm and Sagamore streets.

No. 39. Hillsborough county jail. Keys at office.

No. 41. Amoskeag Mills. Keys at watchroom.

No. 42. Manchester Mills. Keys at watchroom.

No. 43. The Olzendam Mill. Keys at watchroom.

No. 45. The S. C. Forsaith shops. Keys at freight depot and office in building.

No. 51. Corner of Walker and Second streets. Keys at the stores of F. Riedel and Henry Weber.

No. 52. Granite Square, corner Main street, West Manchester. Keys at Merrimack Hotel, Wiggin-Young grocery, and Engine No. 2.

No. 53. The West Side Lumber Co.'s steam mill. Keys at mill office, Dewey's tenement block, and Ranno's harness store.

No. 54. Corner of A and South Main streets. Keys at residences of Lord sisters, Neil Fullerton, and grocery store opposite box.

No. 56. Mast street, opposite Baldwin's bobbin shop. Keys at Baldwin's office and residences of J. C. Smith, E. P. Littlefield, and with watchman at works.

No. 57. Corner Mast road and D street. Keys at residence of C. H. George and F. W. Towle's store.

No. 61. Hose No. 3, South Elm street. Keys at hose house.

No. 62. Manchester Wool & Leather Company's, Brown avenue. Keys at tannery, the Edwin Kennedy house, and Hose 3.

No. 63. Corner Beech street and Titus avenue. Keys at residences of L. E. Carswell and C. L. Wenberg. (No key on box.)

No. 64. Corner Pine and Willow streets. Keys Cohas Shoe factory, the Lincoln House, and Stevens Bros.' Marble Works. (No key on box.)

No. 71. Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, Simon McCarthy.

No. 72. Corner of Lake avenue and Lincoln street. Keys at residences of the late Austin Jenkins and James Briggs.

No. 73. Corner of Beech and Cedar streets. Keys at residences of Rev. J. A. Chevalier and Timothy Carr estate.

No. 81. Central Fire station, Vine street. Keys at all the engine rooms.

No. 82. Old City Hotel, corner Lowell and Church streets. Keys Lowell-street stable and Eames' drug store.

No. 91. Corner Webster and Beech streets. Keys at Children's Home and residences of George E. McClintock, Solomon Johnson, M. E. Sanctuary. (No key on box.)

No. 92. Corner Union and Clarke streets. Keys at residences of Mrs. Julia B. Bradford, E. H. Nutting, and C. E. Page.

No. 93. Corner of Elm and Carpenter streets. Keys at residences of Mrs. A. H. Weston and Mrs. George D. Towne.

No. 112. Corner of Sagamore and Union streets. Keys at residences of W. A. Clarkson, M. D. Johnson, and Charles F. Chase.

No. 113. Corner of Oak and Prospect streets. Keys at residences of Mrs. William B. Abbott, W. N. Johnson, and E. M. Topliff.

No. 114. Corner of Pearl and Ash streets. Keys at residences of John J. Bennett and Mrs. Harriet L. Healey and Ash-street schoolhouse.

No. 115. Corner of Blodget and Ash streets. Keys at residences of James A. Rogers and Cyren Bixby.

No. 116. Corner Salmon and Ash streets. Keys at Masonic Home.

No. 117. Corner of Sagamore and Russell streets.

No. 131. Emergency box, to be substituted when any box is out of repair.

No. 211. Corner of Oakland and Woodland avenues. Keys at residences of J. N. DesGroseilliers, S. Lavigne, and Peter Harris.

No. 212. Shoe shop, Hallsville. Keys at the office of the shoe factory and residences of Charles C. Chase, G. W. Dearborn, M. V. B. Garland, and the Walter Cody block.

No. 213. Sash and blind factory. South Beech street, junction of Portsmouth railroad. Keys at offices of Derryfield Sash & Blind Company.

No. 214. Elliot silk mill, corner of Wilson and Valley streets. Keys at office and watchroom of mill.

No. 215. Hoyt & Co.'s shoe shop, corner of Lincoln and Silver streets. Keys at offices of shoe shop and Kimball Carriage Company and workshop opposite.

No. 216. Jewett and Somerville streets. Keys at residences of G. H. Hill, 140 Jewett street, and W. B. Brown, 128 Jewett street.

No. 217. Corner Candia road and Massabesic street. Keys at residences of L. M. Streeter, William Gadbois, and Charles P. Still.

No. 218. Corner of Somerville and Hall streets. Keys at residences of Mrs. George Hall and George Kay.

No. 219. Eaton Heights shoe shop, Page street. Keys at shoe shop office and residences of Charles A. Merrill, John P. Young, and Joseph W. Rand. (No key on box.)

No. 221. Corner of Taylor street and Holly avenue. Keys at residences of T. B. Stevens, 109 Taylor street; W. O. Corbin, 443 Holly avenue, and A. J. Prescott, 502 Holly avenue. (No key on box.)

No. 224. Corner of Belmont and Grove streets. Keys at residences of John A. Adams, Joseph Quirin, and Mrs. H. G. Walker.

No. 241. Lake avenue hill. Key at residence of Harry L. Davis.

No. 242. Merrimack and Wilson streets. Keys at Capt. C. R. Merrill's and Engine and Ladder Company No. 3.

No. 243. Corner Candia road and Sherburne street. Keys at residences of Fred L. Watts, Alex Oliver, Andrew J. Murray, and Mrs. S. L. Cummings. (No key on box.)

No. 244. Corner Hanover street and Mammoth road. Keys at residences of G. C. Penniman, G. H. Penniman, G. H. Arthur, R. I. Stevens, and H. Manning.

No. 261. Pearl-street grammar school. Keys at schoolroom and residences of C. E. Rose, S. W. Bascom, and Charles W. Cheney.

No. 263. Corner Bridge street and Mammoth road. Keys at residences of Mrs. Hiram Turner, Andrew J. Johnson, A. D. Sherer, Harvey T. Corey, and city farm. (No key on box.)

No. 312. Corner of Putnam, Main, and McGregor streets. Keys at residences of James Spence (309 Main street), Thomas Bolton, and gate No. 11 mill.

No. 313. Corner of Amory and Main streets. Keys at residences of Allen Dean and Lawrence M. Connor, Potvin's drug store, Miville & Co.'s drug store, gate of No. 11 mill, and station of Engine and Ladder No. 6.

No. 314. Corner Amoskeag and Second streets, 'Skeag. Keys at Manchester Stocking Co. and Riverside Hose House.

No. 315. Old Brick store, 'Skeag. Keys at Riverside Hose House and D. Jameson's residence.

No. 321. Corner of Notre Dame avenue and Wayne street. Keys at Holy Angels convent, the Brothers' school, and residences of E. H. Doherty, and the parish priest.

No. 323. Corner of Putnam and Bartlett streets. Keys at P. J. Archambeault's bakery and residence of Mitchell Barry.

No. 324. Amory and Laval streets.

No. 325. Kelly and Cartier streets.

No. 511. Corner of Douglas and Green streets. Keys at residences of Amelia Davis, William A. Tufts, and James Kearns.

No. 512. Corner of Notre Dame avenue and Adams street. West Side.

No. 513. Corner of Milford and Carroll streets. Keys at residences of J. W. Abell, James Ward, and Mrs. Elizabeth Ward.

No. 521. Corner Parker and Winter streets.

No. 541. Corner of Boynton and Allen streets. Keys at residences of Herbert F. Dow, Patrick J. Connor, Charles Tinker, and Benjamin J. Mack.

No. 542. Corner of Second and West Hancock streets. Key at office of the Crafts shoe shop.

No. 571. Shirley street and Rockland avenue. Keys at residences of J. E. Fitzgerald, G. W. Batchelder, M. R. Groppner, and G. W. Chase.

No. 611. Corner of Hancock street and Boston & Maine Railroad. Keys at offices of True W. Jones' Brewery and Manchester Slaughtering and Rendering Works.

No. 711. Corner of Union and Grove streets.

No. 911. Corner of Union and Trenton streets. Keys at residences of W. B. Hunt, C. S. Boynton, Mrs. William R. Varick, and Bixby Bros.' greenhouse. (No key on box.)

Also keys will be found in the hands of all regular police.

The true time will be given at precisely 12.30 P. M. from Charles A. Trefethen's jewelry store, and will be denoted by one stroke of the fire bells.

Fire Department Telephone Calls.

Chemical Engine, Central Station	94
Engine No. 2	1481
Engine and Ladder No. 3	1485
Engine and Ladder No. 5	1483
Engine and Ladder No. 6	1482
Engine No. 7	373
Hose No. 2	1484
Hose No. 3	1486
Combination No. 2	1487
Chief Engineer Lane's office	94
Chief Engineer Lane's house	1480
Deputy Chief Provost's store	1342
Deputy Chief Provost's house	1151—W
Deputy Chief Fitzsimmons' house	1359
Deputy Chief Merrill's house	787—2
Deputy Chief Seaward's house	1889—M
C. H. French, superintendent fire-alarm	1383

Instructions to Keyholders and Citizens.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, the key of which is in a circular box attached to the right side of the fire-alarm box. Keys are also in the hands of all regular police, and generally of persons at the corner or nearest house.

2. Keyholders and others, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (without jerking), and then let go. Shut the door, but do not try to remove the key, as it is locked in by a trap lock, and can only be removed with a release key, which is carried by each of the engineers, and they will, as soon as convenient, release and return it.

3. All persons giving fire alarms are requested to remain by the box a moment, and if no clicking is heard in the box, pull again; if you still hear no clicking, go to the next nearest box and give an alarm for that. DON'T GIVE A SECOND ALARM without instructions from an engineer, or officer in charge of the fire.

4. Never signal for fire seen at a distance. Never touch the box except to give an alarm of fire. Give an alarm for no other cause than actual fire. DON'T GIVE AN ALARM FOR A CHIMNEY FIRE.

5. Never let the keys go out of your possession unless called for by the chief engineer. *If you change your residence or place of business, where the keys are kept, return the keys to the same officer.*

6. Owners and occupants of buildings are requested to inform themselves of the location of alarm boxes near their property; also all places where the keys are kept. Be sure the alarm is promptly and properly given.

7. Alarms will be sounded upon all the fire-bells in the city, and the number of the box will be given thus: Box 6, six blows, 2½ seconds apart, repeated three times. Box 212, two blows, pause of 6¼ seconds, one blow, same pause, and two blows, 2—1—2, repeated three times.

8. The engineers reserve the right to give one stroke of the bells at any time; and in case of testing the boxes, each test will be preceded by one stroke of the bells.

SPECIAL CALLS ON FIRE-ALARM.

When more apparatus is wanted, without giving second and third alarms, the following special calls will be given:

2—1 for Engine 1.	3—3 for Truck 3.
2—2 for Engine 2.	3—5 for Truck 5.
2—3 for Engine 3.	3—6 for Truck 6.
2—4 for Engine 4.	3—7 for Truck 7.
2—5 for Engine 5.	4—1 for Hose 1.
2—6 for Engine 6.	4—2 for Hose 2.
2—7 for Engine 7.	4—3 for Hose 3.
1—1—1 for Aërial Truck.	4—4 for Combination 2.

Companies answering "special calls" will wait thirty seconds before leaving quarters, to prevent mistakes.

THIRD ALARM.

On THIRD ALARM all apparatus will respond.

GENERAL ALARM.

In the event of a fire of such magnitude that second and third alarms are needed, a general alarm will be given by striking TEN BLOWS, in which case all companies will respond.

OUT-OF-TOWN CALL.

For a fire out of the city or brush fire, 2—2—2, all companies will assemble at their respective quarters and await orders.

ALL OUT SIGNAL.

Two blows on the bells, which dismisses all members at company quarters.

The signal will be given after companies working at a fire have returned to quarters, "made up," and are ready to respond to another alarm.

TEST SIGNAL.

One blow at 12.30 noon.

SCHOOL SIGNALS.

1—1, with fifteen seconds between blows, closes primary and middle schools.

2—2, with fifteen seconds between the 2's, closes all the schools.

Time for giving same, 7.30 A. M., 11.30 A. M., or 1.15 P. M.

MILITARY CALL.

12 blows twice.

Engine Whistle Signals.

The following code of signals will be observed by members of the department:

For CAPTAIN, or officer in command of company, one long whistle.

For COAL, two long whistles followed by as many short whistles as indicate the number of the engine.

To LIMBER UP, three long whistles.

Entering a Building With a Line of Hose.

All steamer and hose companies are instructed not to enter any building with a line of hose unless the stop nozzle is closed, except in cases there they can see the fire, and when their streams will reach it without damage to other property, due care being exercised as to whether their services are needed.

Extra care should be exercised by hosemen of steamer companies in using "shut-off" nozzles, shutting off to be slowly and gradually when steamer is working.

Absent from City or Station.

No permanent member shall leave his station to visit any section of the city without permission of the chief or a deputy chief engineer (or the captain in charge of his company), nor leave the city, or be granted leave of absence, without notifying the chief engineer and procuring a substitute to his acceptance, and the substitute shall be on duty before the applicant leaves his post, except on his regular "days off."

Any call member expecting to be absent from the city shall notify the captain of his company, and before leaving the city shall procure a substitute satisfactory to said captain.

Substitutes running for and answering the names of any call man shall be entitled to the same pay, *pro rata*, as the call man for whom

they answer for the time they substitute, and the clerks of the several companies shall keep said substitutes' time and notify the regular call man of the amounts due from him and pay said amount to the substitute performing said service.

Any member of the department not complying with the above rules shall be liable to suspension or expulsion from the department.

The hour of leaving will be 7 o'clock A. M., and members will not leave their stations until the arrival of the spare driver. They must report *promptly at 7 o'clock* the following morning for duty.

Those whose breakfast hour is 6 o'clock will remain at station until 7 o'clock on the dates of their "days off."

Should a fire be in progress at the hour of changes, men will remain on duty until the "all out" is given, except permission is obtained of the chief, or engineer in charge of fire, to retire. Should a "general" or third alarm be rung while members are in town, they will be expected to report for duty on their days off.

List of Alarms and Fires Responded to during 1911. Loss and Insurance.

Box 15. Sunday, January 1, 4.03 A. M. Three-story wooden block, No. 7 Pearl avenue (off Pearl street), owned by Minot Simons and Minnie Thayer and occupied by John Seviginey. Cause, slight fire in woodbox, burning hole in floor. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $8,000; damage, $25; insurance, $6,000; insurance paid, $25. No damage to contents.

Box 21. Sunday, January 1, 11.07 A. M.; second alarm 11.13 A. M. The Merrimack-street Baptist church, a large wooden structure owned and occupied by the Baptist society. Fire was discovered during the morning services. The entire roof was burned off, leaving the four walls and the towers standing. Cause, defective furnace. The "Coolidge" engine of the Amoskeag Mfg. Co. responded on second alarm. First alarm pulled by H. A. Holbrook; second alarm by Tom Lane Kellogg (by order of chief). Companies responding: Engines 1, 2, 3, 4, 5, "T. J. Coolidge," Hose 1, 2, Squad A, Trucks 1, 3, 5. Value of building, $20,000; damage, $12,199.83; insurance, $12,500; insurance paid, $12,199.83. Value of contents, $3,500; damage, $3,500; insurance, $3,500; insurance paid, $3,500.

STILL. Sunday, January 1, 12.04, noon. During the progress of the Baptist church fire sparks from one of our steamers ignited the shingles on roof of two-and-half-story wooden tenement block, No. 40 Laurel street, occupied by W. S. Gibson. Squad A was detailed to it; used 1 pony extinguisher.

STILL. Monday, January 2, 8.30 A. M. Smouldering embers from Baptist church fire. Squad A responded; used 2 pony extinguishers.

STILL. Monday, January 2, 11 A. M. Squad A again called to the Baptist church, only to find steam rising from the ruins.

STILL. Tuesday, January 3, 10.15 A. M. Chimney fire in three-story, nine-tenement wooden block, No. 214 Wilson street, owned by Henri Gazette and occupied by several families. Members of Engine 7 responded. No services required.

STILL. Wednesday, January 4, 11.05 A. M. Four-story wooden block, No. 1197 Elm street, owned by the heirs of John L. Bradford and occupied (in basement) by Mrs. C. L. Weinspach as a lunch room. Cause, hazard stove funnel. No fire. Squad A responded.

STILL. Thursday, January 5, 7.05 P. M. Chimney fire in dwelling house, No. 116 Notre Dame avenue, owned and occupied by Paul F. Poehlmann. Members of Engine 2 responded with combination wagon; used 2 pony extinguishers.

STILL. Thursday, January 5, 7.20 P. M. Three-and-half-story wooden tenement block, No. 68 Concord street, owned by Mrs. Charles W. Brown and occupied by John Yahobier and others. Cause, chimney fire. Squad A responded. No services required.

Box 4. Friday, January 6, 9.19 A. M. Three-and-one-half-story wooden block, No. 569 Elm street, owned by Michael Connor and occupied by Ernest Ouilette and others. Cause, rats and matches. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 3, 4, Hose 1, 3, Squad A, Trucks 1, 3. Value of building, $8,000; damage, $125; insurance, $4,000; insurance paid, $125. Value of contents, $300; damage, $20; no insurance.

STILL. Friday, January 6, 11.17 A. M. Three-story wooden block, No. 1235 Elm street, owned by Helen B. Burgess, and occupied by Joseph Dionne, whose little 13-years-old daughter Doria was so terribly burned by her clothes taking fire by coming in contact with a stove that she died at the Sacred Heart hospital about nine o'clock the same evening. Squad A responded.

Box 6. Saturday, January 7, 2.20 P. M. Four-story brick block (The Globe block), No. 21 Hanover street, owned by the estate of Noah S. Clark and occupied by sundry parties. The fire was in the hallway on the fourth floor and was caused by hot ashes deposited in a box of sawdust. Damage slight. A few boards of sheathing were scorched. Box pulled by citizen. Companies responding: Engines 1, 4, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $20,000; damage, $15.55; insurance, $7,500; insurance paid, $15.50. No damage to contents.

Box 8. Saturday, January 7, 5.50 P. M. One-story wooden building, corner of Canal and Dean streets, owned and occupied by the American Locomotive Co. as a punching and shearing shop. Cause, spontaneous combustion. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Hose 1, 2, Squad A, Trucks, 1, 5. Value of building, $600; damage, $295.85; insurance, $600; insurance paid, $295.85. Value

of contents, $1,000; damage, $166.65; insurance, $1,000; insurance paid, $166.65.

STILL. Sunday, January 8, 11.45 A. M. Chimney fire in three-story wooden tenement block, No. 237 Manchester street, owned by C. Cherx and occupied by George Wheeler. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Sunday, January 8, 5.57 P. M. Chimney fire in dwelling house, No. 97 Hancock street, owned by estate of William J. McKenzie. Hose 3 responded; used 1 pony extinguisher.

STILL. Tuesday, January 10, 10.51 P. M. Chimney fire in four-story brick block, No. 1306 Elm street, owned by Edwin Kennedy and others and occupied by Chadwick and Cashin as the Hotel Webster. Squad A responded; used 1 pony extinguisher.

STILL. Wednesday, January 11, 2.37 A. M. Two-story wooden block, Nos. 205-209 Hanover street, owned by Mrs. Bean, Mrs. Bond, John Hickey, and J. D. Perkins and occupied by several families. Squad A responded to telephone call and on its arrival box 7 was pulled.

Box 7. Wednesday, January 11, 2.43 A. M. Two-story wooden four-tenement block, Nos. 205, 209, 211 Hanover street, owned by Mrs. J. D. Bean, Mrs. H. N. Bond, John Hickey, and J. D. Perkins, and occupied by Mrs. C. F. Bachner, No. 205; Henri Moquin, No. 209, and Napoleon Demanche and Marie Jubinville, No. 211. Cause, unknown. Box pulled by Police Sergeant Callaghan. Companies responding: Engines 3, 4, Hose 1, Trucks 1, 3 (Squad A already there).

	Bean and Bond	Hickey.	Perkins
Value of building.....	$1,500.00	$1,200.00	$1,500.00
Damage to building.....	315.00	395.00	465.00
Insurance on building.....	1,000.00	1,200.00	1,500.00
Insurance paid on building..	315.00	395.00	465.00

	Bachner.	Moquin.	Demanche	Jubinville
Value of contents.....	$500.00	$500.00	$500.00	$400.00
Damage to contents.....	75.00	200.00	300.00	50.00
Insurance on contents....	300.00	none	none	none
Insurance pd on contents	50.00	none	none	none

Box 16. Thursday, January 12, 8.30 A. M. Two-and-one-half-story wooden dwelling, No. 104 Lowell street, owned by the estate of Lucien B. Clough, and occupied by Bertha E. Wheeler as a lodging house. Cause, defective chimney. Squad A had been called by telephone, and as they were unable to handle the fire, Louis Loiselle of Squad A pulled the box. Companies responding: Engines 4, 5, Hose 1, 2, Squad A, Trucks 1, 5. Extinguished with chemicals. Value of building, $4,000; damage, $195; insurance, $3,000; insurance paid, $195. No damage to contents.

Box 81. Thursday, January 12, 7.11 P. M. False alarm. Workmen using torches in the new Y. M. C. A. on Mechanic street led someone to think it was fire. Box pulled by citizen. Companies responding: Engines 1, 4, Hose 1, Squad A, Truck 1.

Box 214. Friday, January 13, 2.26 P. M. Cottage house, No. 246 Wilson street, owned and occupied by Mrs. Celina Hebert. Cause, kettle of tar boiled over. Extinguished before arrival of apparatus. No damage. Box pulled by a boy. Companies responding: Engines 3, 7, Hose 2, 3, Combination 2, Squad A, Trucks 1, 3.

Box 21. Sunday, January 15, 2.57 A. M. Three-story wooden block, No. 212 Lake avenue, leased by David Cohen, and occupied by Ralph Talent as a tenement and grocery store. Cause, overheated stove. Box pulled by occupant. Companies responding: Engines 3, 4, Hose 1, Squad A, Trucks 1, 3. Extinguished with chemicals. Value of building, $4,500; damage, $60; insurance, $4,500; insurance paid, $60. No damage to contents.

STILL. Monday, January 16, 5.55 A. M. Chimney fire, No. 238 Cartier street, two-and-one-half-story tenement house owned by Arthur T. Beaumier, and occupied by three families. Members of Engine and Ladder 6 responded; used 1 pony extinguisher.

STILL. Monday, January 16, 9.11 A. M. Chimney fire in two-and-one-half-story wooden dwelling, No. 112 Myrtle street, owned and occupied by Mrs. Charles C. Clark. Squad A responded; used 1 pony extinguisher.

STILL. Monday, January 16, 5.15 P. M. Chimney fire in two-and-one-half-story dwelling house, No. 38 Bridge street, owned by J. Finman, and occupied by Oliver Duplessis. Squad A responded; used 1 chemical tank.

STILL. Monday, January 16, 5.20 P. M. Chimney fire in three-story wooden block, No. 60 Pearl street, owned by Charles C. Hayes, and occupied by Mrs. Euphemie Laferriere and others. Hose No. 1 responded; used 2 pony extinguishers.

STILL. Monday, January 16, 5.50 P. M. Four-story brick building on North River road, owned and occupied by the state of New Hampshire as the State Industrial school. Cause, boys set fire to beds in dormitory. Squad A responded. No services required.

STILL. Monday, January 16, 8.35 P. M. Chimney fire in cottage house, No. 357 Bartlett street, owned and occupied by George Hanneman. Members of Engine and Ladder 6 responded with hose wagon; used 2 pony extinguishers.

STILL. Tuesday, January 17, 6.20 A. M. Chimney fire in wooden stable, No. 321 Chestnut street, owned and occupied by William J. Freeman. Squad A responded; used 1 pony extinguisher.

STILL. Tuesday, January 17, 6.40 A. M. Chimney fire in three-story wooden block, rear of No. 187 Manchester street, owned by Mrs. E. A. Joy, and occupied by J. W. White and others. Squad A responded; used 3 pony extinguishers and 1 chemical tank.

STILL. Tuesday, January 17, 6.45 A. M. Cottage house and ell, No. 66 Nashua street, owned by the heirs of George Goodwin, and occupied by T. St. John. Cause, overheated stove. Members of Hose No. 2 responded. No services required.

Box 313. Tuesday, January 17, 2.27 P. M. Two-and-one-half story wooden dwelling, No. 596 North Main street, owned by the estate of Dr. J. A. Jackson, and occupied by Mrs. S. A. Gregoire as a lodging house. Fire originated in the shed of the ell-part from some unknown cause. Box pulled by citizen. Companies responding: Engines 1, 2, 6, Hose 1, Squad A, Trucks 1, 6. Value of building, $2,500; damage, $171.50; insurance, $1,000; insurance paid, $171.50. Value of contents, $600; damage, $40; no insurance.

STILL. Tuesday, January 17, 3.30 P. M. Chimney fire in wooden stable, No. 105 School street, owned by Monadnock Savings bank of Jaffrey, N. H., and occupied by H. H. Lamoreaux as a livery stable. Members of Engine No. 2 responded with combination wagon; used 2 pony extinguishers and 1 chemical tank.

STILL. Tuesday, January 17, 5.50 P. M. Chimney fire in three-story wooden tenement block, No. 78 McGregor street, owned by the Ten Rimmon Companions, and occupied by six families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Tuesday, January 17, 5.55 P. M. Two-and-one-half-story wooden building, No. 33 Washington street, owned by the estate of Dr. J. A. Jackson, and occupied by John Gill. Cause, lamp tipped over. Squad A responded; used 2 pony extinguishers.

STILL. Tuesday, January 17, 7.00 P. M. Chimney fire in three-and-one-half-story wooden tenement block, No. 234 Chestnut street, owned by Dr. A. F. Wheat, and occupied by Peter Cosmer. Squad A responded. No services required.

STILL. Tuesday, January 17, 9.15 P. M. Chimney fire in three-story wooden house, No. 6 Prospect street, owned by the estates of Par sons and Ricker, and occupied by Albert Daniels. Squad A responded; used 1 pony extinguisher.

Box 7. Wednesday, January 18, 6.15 A. M.. Two-story wooden stable in rear of Nos. 130-132 Merrimack street, owned by Jacob Ratner, and occupied by Samuel Ratner. A horse belonging to Samuel Ratner was burned to death. Cause, unknown. Box pulled by Officer Frank J. Dustin. Companies responding: Engines 1, 3, Hose 1, Squad A, Truck 1, 3. Value of building, $2,000; damage, $475; insurance, $1,500; insurance paid, $475. Value of contents, $100; damage, $100; no insurance.

STILL. Wednesday, January 18, 1.50 P. M. Three-story wooden tenement block, No. 48 Birch street, owned by McGregorville Investment Co., and occupied by Joseph Lepozotka. No fire. Cause, escaping steam. Squad A responded.

STILL. Wednesday, January 18, 5.40 P. M. Chimney fire in three-story wooden block, No. 56 South Main street, owned by Mrs. F. E. Ingalls, and occupied by four stores and several families. Members of Engine No. 2 responded with combination wagon; used 1 chemical tank.

STILL. Wednesday, January 18, 7.45 P. M. Chimney fire in four-story brick tenement block, No. 175 Manchester street, owned by Mrs. Marion C. Smyth, and occupied by Adelard Gelinas. Squad A responded; used 2 pony extinguishers.

STILL. Thursday, January 19, 5.45 P. M. Chimney fire in three-story wooden block, No. 156 Bridge street, owned by Cavanaugh and Shea, and occupied by Edward Barrett. Squad A responded; used 1 pony extinguisher.

STILL. Friday, January 20, 6.55 P. M. Chimney fire in three-and-one-half-story wooden tenement block, No. 255 Pine street, owned by Samuel J. Lord, and occupied by Varriles Hajuli. Squad A responded. No services required.

STILL. Friday, January 20, 7.50 P. M. Chimney fire in four-story brick block, No. 22 Birch street, owned by Adam Graf, and occupied by John Wysqel and others. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, January 21, 1.58 P. M. Four-story brick block, No. 1204 Elm street, owned by Mrs. John C. Ray, and occupied by E. A. Durgin & Co. as a liquor saloon. Cause, ash-chute on rear of building. Squad A responded. No services required.

STILL. Sunday, January 22, 6.45 P. M. Chimney fire in two-story wooden dwelling, No. 377 Cartier street, owned by John J. Cronin, and occupied by two families. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Monday, January 23, 6.55 P. M. Two-story wooden building, Nos. 1073-1077 Elm street, owned by the estate of Eph. K. Rowell, and occupied by Max Saidel and Bro. as a clothing store. Box of waste paper under a counter caught fire from some unknown cause. Squad A responded. No services required.

Box 323. Monday, January 23, 11.23 P. M. Wooden dwelling house, No. 297 Bartlett street, in process of construction, owned by J. S. Broulette. Cause, escaping steam from drying plastering. No services required. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 5.

STILL. Wednesday, January 25, 9.20 P. M. Telephone message from Grasmere (Goffstown) for assistance at the old Cheney paper and pulp mill. Engine No. 4 was sent to the Boston & Maine freight house, and at the same time asked the railroad officials for train for transportation. When Engine No. 4 reached the freight house, was informed that it would take more time to make up a train, get cars in readiness, and orders to run the train, than to drive over the road. Engine No. 2 was then sent to Grasmere and Engine No. 4 to the house of Engine No. 2. Squad A was also sent with men, coal, and hose over the road.

Box 51. Friday, January 27, 9.43 A. M. Two-story wooden tenement block, No. 104 Cleveland street, owned by Edwin Kennedy, and occupied by Napoleon Giguere and Denis Bouthillette. Cause, un-

known. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6. Value of building, $3,000; damage, $45; insurance, $2,000; insurance paid, $45. Value of contents, $400; damage, $30; no insurance.

STILL. Saturday, January 28, 3.15 P. M. Chimney fire in cottage house, No. 43 Nashua street, owned by Walter Seaward, and occupied by Bridget Gilbert. Members of Hose No. 2 responded; used 1 pony extinguisher.

STILL. Saturday, January 28, 4.30 P. M. Chimney fire in two-and-one-half-story dwelling house on North River road, owned by the state of New Hampshire, and occupied by Thomas Fox. Squad A and members of Engine and Ladder No. 5 responded; used 6 pony extinguishers and 1 chemical tank.

STILL. Saturday, January 28, 6.40 P. M. Chimney fire in eight-tenement wooden block, No. 124 Beech street, owned by Philip F. Grenier. Members of Engine No. 7 responded; used garden hose.

STILL. Saturday, January 28, 7.20 P. M. Chimney fire in three-and-one-half-story wooden tenement house, No. 68 Concord street, owned by Emily Parsons, and occupied by several Polish families. Members of Hose No. 1 responded; used 1 pony extinguisher.

STILL. Saturday, January 28, 7.40 P. M. Chimney fire in three-story wooden tenement block, No. 51 Douglas street, owned by the Amoskeag Manufacturing Co., and occupied by four families. Members of Engine No. 2 responded; used 2 pony extinguishers.

STILL. Saturday, January 28, 7.45 P. M. Chimney fire in three-story wooden tenement block in rear of No. 32 Amory street, owned by Joseph Quirin, and occupied by six families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Saturday, January 28, 7.50 P. M. Chimney fire in four-story brick block, No. 617 Elm street, owned by the heirs of Daniel Connor, and occupied by Joseph Dugre. Squad A responded; used 2 pony extinguishers.

STILL. Saturday, January 28, 8.16 P. M. Chimney fire in four-story wooden block, No. 322 Somerville street (Whittier and Foster, agents), occupied by several families. Hose No. 3 responded; used 2 pony extinguishers.

STILL. Saturday, January 28, 8.56 P. M. Cottage house on Hooksett road (just over the "line") in Hooksett, owned and occupied by Albert Bascom. Cause, chimney fire. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, January 28, 9.30 P. M. Chimney fire in two-story wooden building, No. 64 Cedar street, owned by John Kelly, and occupied by Owen Gorman. Squad A responded; used 2 pony extinguishers.

STILL. Monday, January 30, 6.20 P. M. Chimney fire in two-story wooden building, No. 448 Chestnut street, owned by the People's

Baptist church, and occupied by John Sowa. Squad A responded. No services required.

STILL. Monday, January 30, 7.05 P. M. Chimney fire in three-and-one-half-story wooden block, No. 246 Chestnut street, owned by Dr. A. F. Wheat, and occupied by Peter Cosmer and others. Squad A responded. No services required.

STILL. Tuesday, January 31, 5.50 A. M. Chimney fire in two-story tenement block, No. 35 Washington street, owned by the First National bank, and occupied by Joseph Reo. Squad A responded; used 1 chemical tank.

STILL. Tuesday, January 31, 9.15 A. M. Chimney fire in two-story wooden tenement block, No. 38 Church street, owned by Mrs. A. H. Weston, and occupied by Eugene Quirin. Squad A responded; used 1 pony extinguisher.

STILL. Tuesday, January 31, 9.30 P. M. Chimney fire in six-tenement wooden building, No. 258 East High street, owned by Adams P. Burleigh, and occupied by John Oscar Johnson. Members of Hose No. 2 responded; used 2 pony extinguishers.

STILL. Tuesday, January 31, 9.40 P. M. Chimney fire in three-and-one-half-story wooden block, No. 56 Pearl street, owned by Charles C. Hayes, and occupied by Oliver Creighton. Squad A responded; used 2 pony extinguishers.

Box 17. Wednesday, February 1, 6.10 P. M. Cottage house, No. 493 Maple street, owned by William Corey, and occupied by Andrew J. Drown. Cause, boy with lighted candle in closet. Extinguished with chemicals. Damage slight. Box pulled by citizen. Companies responding: Engines 3, 4, Hose 1, 2, Squad A, Truck 3. Value of building, $4,000; damage, $70.37; insurance, $2,500; insurance paid, $70.37. Value of contents, $500; damage, $100; insurance, $500; insurance paid, $100.

Box 23. Wednesday, February 1, 6.40 P. M. Two-and-one-half-story dwelling house, No. 241 Central street, owned by J. L. Bean, and occupied by Dr. Charles J. Chirurg. Cause, smoking on couch, which was thrown out with very little damage. Extinguished with 4 pony extinguishers. Box pulled by citizen. Companies responding: Engines 1, 3, 5, Hose 1, 2, Combination 2, Squad A, Trucks 1, 3. Value of building, $7,000; damage, $45; insurance, $4,500; insurance paid, $45. Value of contents, $1,500; damage, $56; insurance, $500; insurance paid, $56.

STILL. Thursday, February 2, 12.30 night. Chimney fire in three-story wooden block, No. 243 Pine street, owned by Frederick Smith, and occupied by Oscar Bushey. Squad A responded; used 1 chemical tank and 2 pony extinguishers.

Box 15. Friday, February 3, 8.36 A. M. Chimney fire in a tenement block, No. 103 Church street, corner of Pearl street. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Hose 1, 2, Squad A, Trucks 1, 5. Extinguished with chemicals.

STILL. Friday, February 3, 6.35 P. M. Chimney fire in two-and-one-half-story wooden house, No. 26 Wayne street, owned by William Gresley, and occupied by two families. Members of Engine and Ladder No. 6 responded; used 2 pony extinguishers.

STILL. Friday, February 3, 10.55 P. M. Garbage barrel in rear of New City Hotel, No. 1128 Elm street. Building owned by the heirs of Lewis Clough, and occupied by William H. Hurd. Squad A responded; used 1 chemical tank.

STILL. Saturday, February 4, 6.50 A. M. Two-story brick building on Canal street, corner of Hollis street, owned and occupied by the American Locomotive Co. No fire. Squad A responded.

STILL. Sunday, February 5, 3.55 P. M. An electric car owned by the Manchester Street Railway. Cause, hot-box while on Somerville street. Members of Engine No. 7 responded; used 1 pony extinguisher.

STILL. Thursday, February 9, 2 P. M. Two-story dwelling, in process of construction, at No. 209 Hanover street, owned by J. D. Perkins. Cause, drying plastering. Squad A responded.

Box 4. Saturday, February 11, 10.24 P. M. Two-and-one-half-story wooden building, No. 33 Central street, owned and occupied by M. L. Silverstein as a furniture store. Cause, dropping of a candle ignited excelsior. Box pulled by citizen. Companies responding: Engines 3, 4, Hose 1, 3, Squad A, Trucks 1, 3. No damage to building. Value of contents, $500; damage, $75; insurance, $500; insurance paid, $75.

Box 323. Wednesday, February 15, 7.35 A. M. A cottage house, No. 383 Bartlett street, owned by Frederick M. Broulette, and occupied by Horace Martel. Cause, defective flue. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6. Value of building, $1,200; damage, $200; insurance, $800; insurance paid, $150. Value of contents, $300; damage, $10; insurance, $150; insurance paid, $10.

STILL. Wednesday, February 15, 7 P. M. Chimney fire in four-story brick block, No. 23 Pearl street, owned by Daniel Ready, and occupied by McQuesten & Lewis. Squad A responded; used 1 chemical tank and 1 pony extinguisher.

STILL. Wednesday, February 15, 8.50 P. M. Chimney fire in two-and-one-half-story wooden block, No. 334 Pine street, owned by F. N. Walker, and occupied by Mrs. Emma Roy. Squad A responded; used 2 pony extinguishers.

STILL. Wednesday, February 15, 8.55 P. M. Chimney fire in two-and-a-half-story wooden dwelling, No. 181 Cedar street, owned by George Kapsiulo, and occupied by James Moulas. Hose No. 1 responded; used 1 pony extinguisher.

STILL. Wednesday, February 15, 9.35 P. M. Chimney fire in four-story wooden block, No. 22 Laurel avenue, owned by Mrs. W. H. Topping, and occupied by several families. Squad A responded. No services required.

STILL. Thursday, February 16, 7.40 A. M. Chimney fire in two-tenement house, No. 401 Cedar street, owned and occupied by Elizabeth Whelpley. Members of Engine and Ladder No. 3 responded; used 1 pony extinguisher.

STILL. Thursday, February 16, 6.10 P. M. Four-story brick shoe shop on Second street, corner of West Hancock street, owned and occupied by C. E. Green and Co. Cause, spontaneous combustion in dust pipe. Members of Engine No. 2 responded with combination wagon. No services required.

Box 6. Thursday, February 16, 6.58 P. M. Four-story brick block, No. 24 Manchester street, owned by Harry G. Clough, and occupied by Frank Hill as a lodging house. Fire originated in a closet from some unknown cause. Box pulled by citizen. Companies responding: Engines 1, 4, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $15,000; damage, $953; insurance, $12,000; insurance paid, $953. Value of contents, $2,000; damage, $241.75; insurance, $1,500; insurance paid, $29.25.

STILL. Friday, February 17, 6.15 P. M. Chimney fire in three-story wooden block, No. 729 Somerville street, owned and occupied by Pierre Paradis. Members of Engine No. 7 responded; used 1 pony extinguisher.

STILL. Saturday, February 18, 10.15 A. M. Four-story brick block, No. 1044 Elm street, owned by Mrs. Marion C. Smyth, and occupied by several parties. Cause, rats and matches. Squad A responded; used 2 pony extinguishers.

STILL. Monday, February 20, 7.35 A. M. Two-and-one-half-story building, No. 454 Dubuque street, owned by Ernest Gelinas, and occupied by three families. Cause, burning paper in stove. Members of Engine and Ladder No. 6 responded. No services required.

Box 7. Tuesday, February 21, 8.40 A. M. A closet fire in two-and-one-half-story dwelling house, No. 150 Manchester street, owned by C. Cheron, and occupied by several families. Cause unknown. Extinguished with chemicals. Damage slight. Box pulled by a police officer. Companies responding: Engines 3, 4, Hose 1, Squad A, Trucks 1, 3.

STILL. Tuesday, February 21, 9.28 A. M. A telephone call from Bedford, N. H., for assistance at a cottage house, a short distance from the town hall. Squad A responded with ten men; used 8 pony extinguishers and 3 chemical tanks.

STILL. Tuesday, February 21, 10.25 A. M. Chimney fire in two-story wooden block in rear of 22 Amory street, owned by Gordon Woodbury, and occupied by nine families. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Tuesday, February 21, 8.50 P. M. Chimney fire in two-story tenement block rear of No. 285 Chestnut street, owned by Amy Giguere, and occupied by Joseph Gagnon. Squad A responded; used 1 pony extinguisher.

STILL. Wednesday, February 22, 8.30 A. M. Three-story brick building, Nos. 1001-1005 Elm street, owned by Halbert N. Bond, and occupied by T. Pariseau as a dry goods store. Cause, hot ashes. Squad A responded; used 2 pony extinguishers.

STILL. Saturday, February 25, 11.12 A. M. Four-story brick block, No. 599 Elm street, owned by the heirs of Daniel Connor, and occupied by N. J. Pichette and others. Cause, meat burning in a dry kettle; no one at home. Squad A responded. No services required.

Box 242. Saturday, February 25, 7.02 P. M. False alarm. Companies responding: Engines 3, 4, Hose 2, Combination 2, Squad A, Truck 3.

STILL. Sunday, February 26, 2.28 P. M. Brush fire on Mammoth road. Members of Combination No. 2 responded and extinguished the blaze.

STILL. Sunday, February 26, 6.50 P. M. An automobile, on Lowell street, corner of Beacon, owned by Dr. A. Gale Straw. Combination No. 2 responded; used 1 chemical tank.

Box 241. Monday, February 27, 5.32 P. M. Cottage house, No. 549 Lake avenue, owned by Fred P. Danforth, and occupied by Isaac Chiat. Fire originated in a closet on the second floor from some unknown cause. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engine 3, Hose 2, Combination 2, Squad A, Truck 3. Value of building, $1,500; damage, $100; insurance, $1,000; insurance paid, $84. Value of contents, $1,800; damage, $125; insurance, $500; insurance paid, $125.

STILL. Tuesday, February 28, 10 P. M. Chimney fire in three-story wooden block, No. 23 Wayne street, owned by Robert Leggett, and occupied by Joseph Lajace and others. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Wednesday, March 1, 8.10 P. M. Chimney fire in four-story wooden tenement block, No. 196 Merrimack street, owned by the Manchester Realty Co., and occupied by W. J. Dobbie. Squad A responded; used 2 pony extinguishers.

STILL. Wednesday, March 1, 8.25 P. M. Again called to No. 196 Merrimack street. No services required.

STILL. Thursday, March 2, 7.15 P. M. Wooden dwelling house, No. 20 Dover street, owned by William McElroy, and occupied by John Pollard. Cause, mattress on fire. Members of Engine No. 2 responded with combination wagon; used 1 pony extinguisher.

STILL. Thursday, March 2, 8.45 P. M. Two-story tenement house, No. 31 Amherst street, owned by Mrs. Dr. McGillicuddy of Worcester, Mass., and occupied by Mike Zarabuc. Cause, rats and matches. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, March 4, 5.50 P. M. Burning oily waste at the Fitz-Dillingham Co. garage, No. 71 Lowell street. Chemical engine responded. No services required.

STILL. Sunday, March 5, 8.10 A. M. Chimney fire in two-and-one-

half-story tenement house, No. 42 Bridge street, owned by Jules E. Provencher, and occupied by Alphonse Bedard. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Sunday, March 5, 12.08 noon. Chimney fire in two-and-one-half-story farmhouse on Proctor road, owned and occupied by Mrs. Luther Proctor. Squad A responded; used 1 pony extinguisher.

Box 82. Sunday, March 5, 8.15 P. M. Three-story wooden tenement block, No. 54 Birch street, corner of Bridge, owned by the McGregorville Investment Co., and occupied by Antonene Machovek and others. Cause, breaking of a kerosene-oil lamp. Extinguished with chemical tank. Box pulled by a police officer. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $10,000; damage, $50; insurance, $6,000; insurance paid, $50. Value of contents, $300; damage, $25; no insurance.

STILL. Monday, March 6, 5.47 P. M. Chimney fire in three-story brick block, No. 54 Market street, owned by the Amoskeag Manufacturing Co., and occupied by Ludger Plant. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Tuesday, March 7, 8.05 A. M. Chimney fire in two-and-one-half-story wooden block, No. 27 Bridge street, owned by Tom W. Robinson, and occupied by Joe Dion. Squad A responded; used 1 pony extinguisher.

STILL. Tuesday, March 7, 9.16 P. M. Chimney fire in cottage house, No. 188 Front street (Amoskeag), owned by the Amoskeag Manufacturing Co., and occupied by J. H. Tardif. Squad A responded; used 1 pony extinguisher.

STILL. Wednesday, March 8, 5.15 A. M. Chimney fire in two-and-one-half story wooden dwelling, No. 478 North Main street, owned by Mary A. Connolly, and occupied by two families. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Thursday, March 9, 6.30 P. M. A pile of wood at residence of Wilfred Boisvert, No. 267 Pine street. Chemical engine responded.

STILL. Thursday, March 9, 8.27 P. M. An automobile in front of Central Fire station, owned by Arthur S. Brown. Cause, overflow of gasoline. Members of chemical company responded; used 1 pony extinguisher.

STILL. Friday, March 10, 5.22 P. M. Chimney fire in two-and-one-half-story wooden tenement block, No. 2 Crescent place (off Bridge street), owned by Harry T. Lord, and occupied by Onesime Labore. Squad A responded; used 1 pony extinguisher.

STILL. Friday, March 10, 6.10 P. M. Chimney fire in two-story wooden block, No. 34 Lowell street, owned by John W. McCabe, and occupied by Fred Garmelle. Squad A responded; used 2 pony extinguishers.

STILL. Sunday, March 12, 9.15 P. M. Four-story brick block, No. 1353 Elm street, owned by Gordon Woodbury, and occupied by T. P. Burke. Cause, back-draft in chimney. No fire. Squad A responded.

STILL. Wednesday, March 15, 10.15 A. M. Two-story brick block, No. 2 Water street, owned by the Stark Mills, and occupied by J. E. Coburn. Slight fire in partition. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, March 16, 8.10 P. M. Chimney fire in four-tenement wooden block, No. 391 Lake avenue, owned by Charles Eisenzeimer, and occupied by George McGee. Members of Engine and Ladder No. 3 responded; used 1 pony extinguisher.

STILL. Thursday, March 16, 11.15 P. M. Chimney fire in four-story brick block (Hotel Webster), No. 1306 Elm street, owned by Edwin Kennedy and others, and occupied by Chadwick and Cashin. Squad A responded; used 2 pony extinguishers.

Box 217. Friday, March 17, 12.44 night. Two-story wooden tenement block, No. 160 Candia road, owned by J. H. Rouillard, and occupied by J. F. Luchia. Cause, defective stove funnel. Box pulled by citizen. Companies responding: Engines 3, 7, Hose 2, Combination 2, Squad A, Truck 3. Value of building, $5,000; damage, $200; insurance, $1,000; insurance paid, $200. Value of contents, $800; damage, $300; insurance, $500; insurance paid, $100.

STILL. Friday, March 17, 10.55 A. M. Three-and-one-half-story wooden tenement block, No. 150 Manchester street, owned by Charles Charron, and occupied by Joe Tremblay. Cause, a mattress in the cellar. Squad A responded; used 1 pony extinguisher.

Box 217. Sunday, March 19, 11.06 A. M. A needless alarm for a slight partition fire in a dwelling house, No. 1024 Hayward street, owned by Albert Whittemore of Goffstown, and occupied by Francis Rowe. Members of Engine No. 7 responded to a "still alarm" and had the fire extinguished before the alarm was pulled by Joe Spaulding. Used 1 pony extinguisher. Companies responding: Engines 3, 7, Hose 2, Combination 2, Squad A, Truck 3.

Box 52. Wednesday, March 22, 10.41 P. M. One-story wooden building, No. 335 Granite street, owned by Mrs. Charlotte E. Woodbury of Bedford, N. H., and occupied by K. R. Tennant as a grocery and meat store. Fire started in a water-closet from some unknown cause. Box pulled by George J. Gingras. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6. Extinguished with chemicals. Value of building, $5,000; damage, $58.56; insurance, $5,000; insurance paid, $58.56. Value of contents, $2,000; damage, $106.65; insurance, $1,000; insurance paid, $106.65.

STILL. Thursday, March 23, 8.55 P. M. Two-story wooden building, No. 524 Chestnut street, owned by Harry T. Lord, and occupied by Napoleon St. Cyr. Fire in closet; originated from some unknown cause. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

Box 7. Thursday, March 23, 10.30 P. M. A wooden stable in rear of Nos. 210 and 212 Manchester street, owned by Mrs. M. E. Drury, and occupied by Joseph Katz, a rag-picker. Cause unknown. Box

pulled by Police Officer Moriarty. Companies responding: Engines 3, 4, chemical, Hose 1, Squad A, Trucks 1, 3. Value of building, $1,500; damage, $115; insurance, $1,500; insurance paid, $115. Value of contents, $300; damage, $25; no insurance.

Box 15. Saturday, March 25, 6.55 P. M. Two-and-one-half-story tenement house in rear of No. 106 Bridge street, owned by ——— Fitzgerald, and occupied by Frank Zurichan. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5.

STILL. Sunday, March 26, 11.55 A. M. Brush and fence fire on Nutt road, on land of the Fair Ground association. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Sunday, March 26, 1.50 P. M. Grass fire on Smyth road, on land of Freeman Higgins. Squad A responded.

STILL. Sunday, March 26, 2.10 P. M. Grass fire between Calef road and Elm street, on land of Amoskeag Manufacturing Co. Hose No. 3 responded.

STILL. Sunday, March 26, 4.50 P. M. Chimney fire in three-story brick building, Ash-street school, on Maple, Bridge, Ash, and Pearl streets. Hose No. 2 responded. No services required.

STILL. Sunday, March 26, 6.35 P. M. An automobile, on Lowell street, owned by Dr. A. Gale Straw. Squad A responded. No services required.

Box 51. Wednesday, March 29, 8.45 P. M. Three-story tenement house, No. 12 Ferry street, owned by Charles Charron, and occupied by Charles A. Bartlett, Charles Gorman, and Mosqus. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6. Value of building, $5,500; damage, $219; insurance, $4,000; insurance paid, $219. Value of contents, $1,000; damage, $210; insurance, $710; insurance paid, $203.

STILL. Saturday, April 1, 6.15 A. M. Chimney fire in three-story wooden tenement block in rear of No. 30 Amory street, owned by Joseph Quirin, and occupied by six families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Saturday, April 1, 2.45 P. M. Grass fire on Calef road, on land owned by the estate of H. D. Lord. Hose No. 3 responded; used 1 pony extinguisher.

STILL. Saturday, April 1, 6.15 P. M. Chimney fire in two-and-one-half story wooden tenement block, No. 23 Birch street, owned by Andrew Dominick, and occupied by John Kruzek. Squad A responded; used 2 pony extinguishers.

Box 3. Saturday, April 1, 8.03 P. M. Two-story wooden storehouse, No. 283 Elm street, owned by Charlotte Comeroy, and occupied by Louis C. Specter as a junk shop. Cause, spontaneous combustion. Box pulled by citizen. Companies responding: Engines 1, 3, 7, chemical, Hose 1, 3, Squad A, Trucks 1, 3. During the progress of the fire the upper floor fell, pinning Captain Merrill, Hosemen Austin, Geer.

Dolloff, and McKenzie of Hose No. 3 under it for a short time, but all escaped without serious injury. Value of building, $600; damage, $425; insurance, $500; insurance paid, $425. Value of contents, $4,200; damage, $1,600; insurance, $2,000; insurance paid, $1,258.25.

STILL. Sunday, April 2, 4.50 P. M. Rekindling of the fire of last night at 283 Elm street in the junk shop of Louis C. Specter. Squad A responded; used 2 pony extinguishers.

STILL. Monday, April 3, 10.15 A. M. Chimney fire in four-story brick block, No. 1307 Elm street, owned by the estates of Hoitt and James. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Monday, April 3, 11.45 A. M. Grass fire on unoccupied land corner of Valley and Belmont streets, caused by sparks from a Boston & Maine locomotive. Members of Engine and Ladder No. 3 responded.

STILL. Monday, April 3, 1.53 P. M. Grass fire on North River road, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 5 responded; used 1 pony extinguisher.

STILL. Monday, April 3, 6.05 P. M. Four-story wooden tenement building, No. 182 Lake avenue, owned by J. G. Ascho, and occupied by John Pappas. Cause, overheated stove. Squad A responded. No services required.

STILL. Monday, April 3, 7.15 P. M. Two-story wooden dwelling house, No. 279 Pine street, owned by John Bartlett of Raymond, N. H., and occupied by Ben Cleworth. Slight fire in a wood-box ignited the partition. Damage slight. Squad A responded; used 1 chemical tank.

STILL. Friday, April 7, 1.30 P. M. Grass fire on Proctor road, near Massabesic lake, on land owned and occupied by the heirs of Luther Proctor. Cause, burning brown-tail moth nests. Squad A responded. No services required.

STILL. Saturday, April 8, 4.10 A. M. The farm buildings in Bedford, N. H., known as the Peter Kane place. Assistance was asked, and Squad A responded. Buildings were entirely destroyed. Used 1 chemical tank.

STILL. Saturday, April 8, 1.40 P. M. Grass fire at 550 Lake avenue, on land of G. D. Batchelder. Members of Engine and Ladder No. 3 responded; used 1 pony extinguisher.

STILL. Sunday, April 9, 11.45 A. M. Chimney fire in four-story brick building, the Old City hotel, No. 1003 Elm street, owned by the Story heirs and Scully, and occupied by Thomas J. Foley. Squad A responded.

Box 4. Sunday, April 9, 7.50 P. M. Three-story wooden tenement block, No. 40 Lake avenue, owned by Daniel A. Shanahan, and occupied by Joseph Wickley and others. Cause, lamp explosion. No fire and no damage. Box pulled by a Greek boy. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

STILL. Monday, April 10, 11 A. M. Two-story wooden dwelling, No. 141 Manchester street, owned by Moses Weiner, and occupied by N. G. Wtaigrtax. Fire in bed. Damage slight. Squad A responded; used 1 chemical tank.

STILL. Monday, April 10, 8 P. M. Chimney fire in one-story wooden building, No. 685 Elm street, owned by Larkin Trull, and occupied by Charles E. Dufort. Squad A responded. No services required.

STILL. Tuesday, April 11, 12.34 noon. Grass fire on unoccupied land on Brown avenue, near the tannery. Hose No. 3 responded.

STILL. Tuesday, April 11, 2.45 P. M. Grass fire on Dean street, on land owned by the People's Gas Light Co. Set by boys. Squad A responded; used 2 pony extinguishers.

STILL. Tuesday, April 11, 5.48 P. M. Grass fire at the corner of Granite and Canal streets, on land owned by the Amoskeag Manufacturing Co. Squad A responded.

STILL. Thursday, April 13, 12.20 noon. Grass fire on Guilford street, on land of Fred Guilford of Concord, N. H. Hose No. 3 responded.

STILL. Thursday, April 13, 1.12 P. M. Grass fire on Baker and Willow streets, on land of T. McKenna. Hose No. 3 responded; used 2 pony extinguishers.

STILL. Thursday, April 13, 1.15 P. M. Brush fire on Bald Hill road, at the Moss farm. Squad A responded; used 2 pony extinguishers.

STILL. Thursday, April 13, 2.05 P. M. Grass fire at the corner of Jewett and Dix streets. Members of Engine No. 7 responded.

STILL. Thursday, April 13, 2.11 P. M. Grass fire on South Elm street, on land of Amoskeag Manufacturing Co. Hose No. 3 responded.

STILL. Thursday, April 13, 3.17 P. M. Grass fire at No. 555 South Beech street, on land of A. H. Clement, endangering dwelling house. Hose No. 3 responded.

STILL. Thursday, April 13, 4.10 P. M. Grass fire on North Chestnut street, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 5 responded.

STILL. Thursday, April 13, 4.25 P. M. Brush fire at corner of Candia road and Platts avenue, on land of Platts brothers. Members of Engine and Ladder No. 3 responded.

STILL. Thursday, April 13, 7.26 P. M. Grass fire on Lingard street, on land of J. C. Bickford. Hose No. 3 responded.

STILL. Friday, April 14, 8.40 P. M. Chimney fire in three-story wooden block, No. 289 Pine street, owned by J. F. Kerins, and occupied by Nicholas George. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, April 15, 8.30 P. M. Rubbish at No. 729 Somerville street, on land of Pierre Paradis. Members of Engine No. 7 responded.

STILL. Sunday, April 16, 11.20 A. M. Chimney fire in a cottage

house on Hooksett road, owned and occupied by Mrs. Joseph Goodwin. Squad A responded. No services required.

STILL. Sunday, April 16, 12.15 noon. Chimney fire in four-story brick block, No. 27 Lake avenue, owned by the estate of Patrick Harrington. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Sunday, April 16, 12.30 noon. Grass fire on Rimmon and Bremer streets, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded with hose wagon; used 4 pony extinguishers.

STILL. Monday, April 17, 1.20 A. M. Three-story brick building, No. 8 Crescent place, owned by Willis C. Patten, and occupied by Charles Denmars. Slight fire in a clothes closet. Cause unknown. Squad A responded. No services required.

STILL. Monday, April 17, 11 A. M. Brush fire on Lake Shore road, on land of James Page. Squad A responded.

STILL. Monday, April 17, 6.30 P. M. Grass fire on Coolidge avenue, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded; used 3 pony extinguishers.

Box 81. Tuesday, April 18, 9.17 P. M. Three-and-one-half-story wooden tenement block, rear of 49 Amherst street, owned by Mrs. Josie McGillicuddy of Worcester, Mass., and occupied by several Polish families. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 4, chemical, Hose 1, Squad A, Truck 1. Value of building, $3,000; damage, $690; insurance, $3,000; insurance paid, $690. Value of contents, $500; damage, $100; no insurance.

STILL. Wednesday, April 19, 12.22 noon. Brush fire at the north end of Beech street, on land of Amoskeag Manufacturing Co., known as Dorr's Pasture. Cause, burning brush and "it got away with 'em." Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Thursday, April 20, 9.23 A. M. Burning leaves in rear of No. 380 Manchester street. Chemical engine responded. No services required.

Box 113. Friday, April 21, 12.48 noon. Cottage house, No. 277 Harrison street, owned by Mrs. Louise C. Reed, and occupied by G. G. Reed and Mrs. Calista Brown. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 5, Hose 2, Combination 2, Squad A, Truck 5. Value of building, $2,500; damage, $476.96; insurance, $1,300; insurance paid, $476.96. Value of contents, $400; damage, $75; no insurance.

STILL. Friday, April 21, 6.30 P. M. Three-story wooden tenement block, No. 26 Washington block, on Pearl street, owned by Charles C. Hayes, and occupied by Mrs. Euphemie Laferriere. Slight fire on roof, caused by sparks from chimney. No damage. Squad A responded; used 1 chemical tank.

STILL. Friday, April 21, 8.20 P. M. Grass fire on Hevey and Bremer

streets, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded with hose wagon; used 3 pony extinguishers.

STILL. Saturday, April 22, 2.10 P. M. Grass fire in Stark park, on North River road, owned by the city of Manchester. Members of Engine and Ladder No. 5 responded with hose wagon; used 3 pony extinguishers.

STILL. Sunday, April 23, 4.15 P. M. Brush fire on Hayward street, on land of Amoskeag Manufacturing Co. Members of Engine No. 7 responded.

STILL. Sunday, April 23, 5.10 P. M. A large, hollow willow tree on Barry playgrounds on Willow street. Hose No. 3 responded; laid 300 feet of hose from hydrant.

STILL. Monday, April 24, 10.40 A. M. Brush fire at the corner of Hevey and Wayne streets, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Monday, April 24, 11.40 A. M. Chimney fire in a cottage house, No. 948 Union street, owned by Mrs. William C. Spear, and occupied by O. H. Johnson. Members of Engine and Ladder No. 5 responded; used 1 pony extinguisher.

STILL. Monday, April 24, 1.15 P. M. Grass fire at No. 538 Hanover street, owned by Mrs. Louise M. Taggart, and occupied by W. H. Simpson. Squad A responded; used 4 pony extinguishers.

STILL. Monday, April 24, 5 P. M. Grass fire in Derryfield park, owned by the city of Manchester. Combination No. 2 responded.

STILL. Monday, April 24, 5.15 P. M. Brush fire on Conant street. Members of Engine No. 2 responded with combination wagon.

STILL. Monday, April 24, 5.45 P. M. Brush fire on Hanover street, in Franklyn park, in rear of the Keeley institute, on land owned by several parties. Set by boys. Squad A responded; used 2 pony extinguishers.

STILL. Monday, April 24, 7.25 P. M. Brush fire on North Union street, on land of H. A. Farrington and others. Engine No. 5 responded; laid 500 feet of hose from hydrant and used 3 pony extinguishers.

STILL. Tuesday, April 25, 10.30 A. M. Grass fire on Nutt road, on land of Manchester Coal and Ice Co. Squad A responded; used 1 pony extinguisher.

STILL. Tuesday, April 25, 12.55 noon. One-story wooden building at Massabesic, opposite the street railway pavilion, four miles from city hall, owned and occupied by Burke Bros. as a grocery store. Cause unknown. Engine No. 3 responded and later Squad A responded with extra men. Laid 1,000 feet of hose from steamer, which was at shore of Massabesic lake, and used 10 pony extinguishers, and 1 chemical tank. Value of building, $2,000; damage, $2,000; insurance, $1,000; insurance paid, $1,000. Value of contents, $1,500; damage, $1,500; insurance, $1,000; insurance paid, $1,000.

RECAPITULATION

	Abatements.	Brick.	Broken Stone.	Castings.	Cement.	Claims.	Contract.	Curbing.	Equipment.	Explosives.	Feed.	Freight.	Granite Paving Blocks.	Gravel.	Ice.	Inspecting.	Insurance.	Licenses.	Lights.	Lumber.	Paint.	Payroll	Pipe.	Pitch (Paving).	Printing.	Repairs.	Road Oil.	Salaries.	Sand.	Steel Beams.	Superintendence.	Supplies.	Telephone.	Tools.	Transportation.	Veterinary Services.	Water.	Wood Paving Blocks.	Fuel.	Postage.	Total.
																						$187.10																			$187.10
Ball-ground, Wolf park																				$1,657.84	$137.46	2,414.36	$84.86	$51.52		$189.28				$2,416.77		$104.31									8,310.55
Bridges				$243.83			$997.42					$12.90													$67.68							366.09									$73.06	5,613.33
Brown-tail and gypsy moth	$49.42						4,580.05					4.92				$463.80	$8.31									7.00					$735.00	590.08		$7.36			$700.00					3,985.40
Care of commons							12.00					23.05							$156.10	12.11		1,742.70				319.40						1,175.46		84.75		$71.34	70.75		$168.02			15,851.23
City hall		$91.38					1,380.05		$100.80		$3,745.46	23.68			$4.40		20.00		276.02	244.10		8,075.02										10.06										5,086.23
City yard							5,000.00									38.25						37.92										4.87		8.64								1,559.99
Cutting and trimming trees								$48.26									11.00					1,492.02				6.20						60.05					30.00					981.25
Derbyfield park																121.44						880.20										475.95										3,203.87
Elm-leaf beetle							2,066.48															4,463.09				52.41						16.13										4,822.43
Grading for concrete							62.59	228.21														518.16										1.68										909.05
Lafayette park							389.21															3,890.62				4.00						3.58		20.99					629.57		14,022.49
Macadamizing streets			$3,520.30				4,330.60	404.64	275.00			68.00	$811.89			62.80						244.27										53.18					33.56					343.53
Miscellaneous playgrounds							2.00													10.52		1,379.00										271.44		17.99					76.51			6,058.26
New highways							4,211.76					51.56		$50.00								15,068.15	5,951.45			68.23			$93.10			189.98		36.06					24.73			28,096.07
New sewers		$39.99		789.77	$256.50	$73.00	2,547.53			$412.37		663.06					200.00		20.63	861.52		5,780.29				47.01	$284.24					89.86		37.50			10.00	$3,111.53				28,146.93
Paving streets					2,548.04		2,509.46	547.17				471.32	12,782.88			127.63						25,769.42				812.09	214.71					232.94		24.03			30.00		5.35			31,508.92
Repairs of highways			2,745.98			72.00	1,153.95					8.65		398.30					16.50	25.00		4,248.59				259.04						59.65										6,210.78
Repairs of sewers		180.51		1,368.05				68.00				26.94					100.00					20,810.56			11.25	61.93					999.96	219.65		32.59	$7.25							28,651.18
Scavenger service							1,922.64		4,400.00			2.20					148.75	$15.00		1.40	18.00	15,372.11				4.33			32.50			9.84		58.94								15,737.23
Snow and ice and cleaning streets							259.51															902.24										92.99		2.88			12.00					1,010.11
Stark park																									158.65	2.50		$9,892.59				245.32	$193.68		284.37							10,777.11
Street and park commission																						9,743.88				445.50						1.50										10,915.05
Sweeping streets						11.05			704.00			10.02										8,904.14				105.50	2,493.78					305.73										13,138.91
Watering streets							262.73		731.20			285.83																														
	$49.42	$1,111.88	$6,266.78	$2,301.65	$2,804.54	$156.05	$32,276.24	$1,248.02	$6,261.00	$412.37	$3,745.46	$1,652.13	$13,594.77	$448.30	$4.40	$813.92	$488.06	$15.00	$469.25	$2,812.49	$155.46	$131,924.44	$6,036.31	$51.52	$237.58	$2,384.42	$2,992.73	$9,892.59	$125.60	$2,416.77	$1,734.96	$4,580.34	$193.68	$331.73	$291.62	$71.34	$886.31	$3,111.53	$904.18	$73.06	$245,127.90

STILL. Tuesday, April 25, 3.30 P. M. Three-story brick building, No. 26 Vine street, the Central station of the fire department. Fire started in the workshop on the second floor from some unknown cause. Chemical engine, Squad A, and Truck 1 responded; used 3 pony extinguishers and 1 chemical tank. Value of building, ..31,500; damage, $75; no insurance. Value of contents, $500; damage, $25; no insurance.

Box 15. Wednesday, April 26, 2.24 A. M. Two-and-one-half-story tenement block, rear of No. 73 Orange street, owned by Frank W. Griffin, and occupied by Napoleon Chassé. Cause unknown. Box pulled by Joseph Lemay. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5. Extinguished with chemicals. Value of building, $1,000; damage, $85; insurance, $1,000; insurance paid, $85. Value of contents, $75; damage, $20; no insurance.

STILL. Wednesday, April 26, 10.20 A. M. Two-and-one-half-story house, No. 109 Goffstown road, owned and occupied by Levi Heath. Cause, overheated chimney. Squad A responded; used 2 pony extinguishers and 1 chemical tank. Value of building, $1,500; damage, $20; insurance, $600; insurance paid, $20.

STILL. Wednesday, April 26, 12.40 noon. Brush and grass fire on Glover street, near tracks of Boston & Maine railroad, on land owned by the city of Manchester. Set by sparks from locomotive. Hose No. 3 responded.

STILL. Wednesday, April 26, 12.50 noon. Brush fire on Brown avenue, on land owned by the city of Manchester. Squad A responded; used 2 pony extinguishers.

STILL. Wednesday, April 26, 1.15 P. M. Grass fire on Hanover street, on land of Doane and Horne. Combination No. 2 responded.

STILL. Wednesday, April 26, 3.05 P. M. Brush fire on Bald Hill road, on land of Arthur Hale. Squad A responded; used 2 pony extinguishers.

STILL. Wednesday, April 26, 3.52 P. M. Brush fire on Goffstown road, on land of G. R. Jackson and others. Squad A responded; laid 400 feet of hose from hydrant and used 8 pony extinguishers.

STILL. Wednesday, April 26, 4.42 P. M. Grass fire on Brown avenue, on land owned by city of Manchester. Set by sparks from a Boston & Maine locomotive. Hose No. 3 responded.

STILL. Wednesday, April 26, 6.10 P. M. Brush fire on Smyth road. Members of Engine and Ladder No. 5 responded.

STILL. Wednesday, April 26, 6.30 P. M. An old stump fence at the corner of Young and Porter streets, on land owned by William Huse. Members of Engine No. 7 responded with hose wagon; laid 100 feet of hose from hydrant.

Box 81. Thursday, April 27, 12.50 night. Four-story brick block, No. 22 Concord street, owned by ——— Desrochers, and occupied by the People's Printing Co. Cause unknown. Box pulled by a police officer. Companies responding. Engines 1, 4, chemical, Hose 1.

Squad A, Truck 1. Value of building, $15,000; damage, $200; insurance, $1,000; insurance paid, $200. Value of contents, $2,000; damage, $150; insurance, $1,000; insurance paid, $100.

STILL. Thursday, April 27, 8.20 A. M. Brush fire on Coolidge avenue, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded; used 3 pony extinguishers.

STILL. Thursday, April 27, 9.20 A. M. Brush fire on Coolidge avenue and Bremer street, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Thursday, April 27, 10.13 A. M. Grass fire on Beech street, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 5 responded.

STILL. Thursday, April 27, 10.30 A. M. Grass fire at the corner of Lowell and Beacon streets, on land of Mrs. George Whitford. Combination No. 2 responded.

STILL. Thursday, April 27, 10.50 A. M. Brush fire on Mast road, on land of George Higgins. Squad A responded; used 4 pony extinguishers.

STILL. Thursday, April 27, 12.30 noon. Brush fire at corner of Putnam and Bartlett streets, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Thursday, April 27, 12.35 noon. Brush fire on Cohas avenue, on land of Francis Roberts. Members of Engine No. 7 responded.

STILL. Thursday, April 27, 1.30 P. M. Brush fire on Huse and Weston roads, on land of Joseph Hill. Members of Engine No. 7 and Squad A responded.

Box 21. Thursday, April 27, 2.02 P. M. A smudge in a bed at No. 121 Merrimack street, in tenement occupied by Focher Dydo. Damage slight. Box pulled by citizen. Companies responding: Engines 1, 3, chemical; Hose 1, Squad A, Trucks 1, 3.

STILL. Thursday, April 27, 2.15 P. M. Grass fire at No. 42 Clarke street, on land of Dr. D. W. Parker. Members of Engine and Ladder No. 5 responded; used 2 pony extinguishers.

STILL. Thursday, April 27, 2.15 P. M. Brush fire on the Eddy road, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Thursday, April 27, 2.45 P. M. Brush fire on Mast road, on land of Herman Rodelsperger and Henry Barnard. Squad A responded; used 4 pony extinguishers.

STILL. Thursday, April 27, 3.05 P. M. Grass fire on Montgomery street, on land of Amoskeag Manufacturing Co. Members of Engine No. 2 responded with combination wagon; used 1 chemical tank.

STILL. Thursday, April 27, 3.30 P. M. Grass fire on Railroad street, on land of the Manchester and North Weare Railroad Co. Members of Engine No. 2 responded with combination wagon.

Box 4. Thursday, April 27, 8.05 P. M. Three-story wooden tenement

building, No. 50 Spruce street, owned by Henry I. Haselton, and occupied by George Tigouis. Slight fire in bedroom. Extinguished before arrival of department. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

Box 82. Friday, April 28, 12.13 noon. Three-story wooden block, No. 48 Birch street, owned by the McGregorville Investment Co., and occupied by Frank Vyskiet as a meat shop. Slight fire in smokehouse in the basement, doing but little damage. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5.

Still. Friday, April 28, 12.15 noon. Brush fire on Coolidge avenue and Eddy road, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

Still. Friday, April 28, 1.55 p. m. Brush and grass fire at "Glenwood," near Bedford line, on land of William Brown and others. Members of Engine No. 2 responded; used 4 pony extinguishers and 2 chemical tanks.

Still. Friday, April 28, 3 p. m. Grass fire on Coolidge avenue, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded with hose wagon; used 3 pony extinguishers.

Box 3. Friday, April 28, 7.20 p. m. Three-story wooden tenement block, No. 122 Willow street, owned by Higgins and Dennett, and occupied by Mary Eastman. Cause, lamp explosion. Damage trifling. Box pulled by citizen. Companies responding: Engines 4, 7, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

Still. Saturday, April 29, 10.40 a. m. Chimney fire in two-and-one-half-story dwelling, No. 110 Brook street, owned by estate of James F. Brown, and occupied by E. C. Thompson. Squad A responded. No services required.

Still. Saturday, April 29, 10.43 a. m. Three-story brick block, No. 58 Granite street, owned by the First National bank of Manchester, and occupied by J. H. Parmerton as a wholesale grocery store. Cause, dead smoke in chimney. Chemical engine responded. No services required.

Still. Saturday, April 29, 11.35 a. m. Grass fire on North River road, on land of Mrs. Alonzo Elliot and Harry G. Clough. Members of Engine and Ladder No. 5 responded; used 2 pony extinguishers.

Still. Saturday, April 29, 12.28 noon. Brush fire on Sagamore street, on land of Amoskeag Manufacturing Co. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

Still. Saturday, April 29, 12.40 noon. Brush fire on Sagamore street, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 5 responded; used 3 pony extinguishers.

Box 323. Saturday, April 29, 12.47 noon. Dwelling house, No. 384 Bartlett street, owned and occupied by Liboire Baribeau. The fire originated in the pool room, and burned a small hole in the floor. Extinguished with chemicals. Box pulled by citizen. Companies re-

sponding: Engines 2, 6, Hose 1, Squad A, Truck 6. Value of building, $1,100; damage, $75; insurance, $700; insurance paid, $75. Value of contents, $600; damage, $72; insurance, $350; insurance paid, $72.

STILL. Saturday, April 29, 2.35 P. M. A fence fire around the lot at No. 41 Appleton street, owned by William A. Tufts. Members of Engine and Ladder No. 5 responded. Extinguished with pails of water.

STILL. Saturday, April 29, 3.30 P. M. Brush fire on Dunbarton road. Members of Engine and Ladder No. 6 responded.

STILL. Saturday, April 29, 4.15 P. M. Three-story tenement block, No. 60 Massabesic street, owned by Milton Paige, and occupied by Herbert Lewis. Cause, back-draft in chimney. Members of Engine and Ladder No. 3 responded.

STILL. Saturday, April 29, 4.20 P. M. Brush fire between Beech street and the Manchester and Lawrence railroad, on land of Mrs. A. L. Dodge. Hose No. 3 responded; used 1 pony extinguisher.

STILL. Saturday, April 29, 8.35 P. M. False alarm. Brush fire reported to be in progress on Mitchell street. Members of Hose No. 3 responded, but no fire could be found.

Box 219. Sunday, April 30, 6.33 A. M. A cottage house, No. 232 Cody street (Eaton Heights), owned by William Thissell of Goshen, N. H., and occupied by Wallace Clough. Cause unknown. Box pulled by citizen. Companies responding: Engine 3, Hose 2, Combination 2, Squad A, Truck 3. Value of building, $4,500; damage, $2,275; insurance, $3,500; insurance paid, $2,275. Value of contents, $400; damage, $75; no insurance.

Box 3. Sunday, April 30, 9.43 A. M. Brick iron foundry on South Elm street, owned and occupied by the American Locomotive Co. Fire started in the coke room from coals from blast furnace. Box pulled by citizen. Companies responding: Engines 1, 7, chemical, Hose 1, 3, Squad A, Trucks 1, 3. Value of building, $20,000; damage, $75; insurance, $20,000; insurance paid, $75. No damage to contents.

STILL. Sunday, April 30, 1 P. M. Brush fire on Weston road, on land of William Huse. Members of Engine No. 7 responded.

STILL. Sunday, April 30, 1.30 P. M. Brush fire near Putnam street dump, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Sunday, April 30, 2.30 P. M. Brush fire on Sagamore street, on land of Amoskeag Manufacturing Co. Squad A responded.

STILL. Sunday, April 30, 4 P. M. Brush fire on Dunbarton road. Members of Engine and Ladder No. 6 responded.

STILL. Tuesday, May 2, 2.50 P. M. Brush fire on Bald Hill road, near the Hooksett line. Burned over about 40 acres. Cause, man burning brush. Squad A responded.

STILL. Tuesday, May 2, 7.10 P. M. Chimney fire in cottage house, No. 619 Summer street, owned by Charles Cox, and occupied by F. Coulan. Members of Engine No. 7 responded; used 2 pony extinguishers.

STILL. Wednesday, May 3, 5.10 A. M. Brush fire on North River road, on land of C. E. Quimby. Burned over about 40 acres. Set by sparks from a Boston & Maine locomotive. Squad A responded.

STILL. Wednesday, May 3, 1.40 P. M. Brush fire on land of C. E. Quimby, between North River road and Boston & Maine railroad. Rekindling of previous fire.

STILL. Wednesday, May 3, 7.45 P. M. Brush fire near Rock Rimmon, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Thursday, May 4, 12.15 noon. False alarm. Call came from Spruce street. Squad A responded, but could find no fire.

Box 62. Friday, May 5, 11.55 A. M. Cottage house, No. 585 Brown avenue, owned and occupied by Mrs. Sadie Maple. Cause, defective flue. Extinguished with chemicals. Box pulled by Walter Maple. Companies responding: Engines 1, 7, chemical, Hose 1, 3, Squad A, Truck 3. Value of building, $1,500; damage, $80; insurance, $800; insurance paid, $80. No damage to contents.

STILL. Friday, May 5, 2.05 P. M. Brush fire on Willow street, on land owned by several parties. Members of Hose No. 3 responded; used 2 pony extinguishers.

STILL. Friday, May 5, 2.35 P. M. Brush fire on Willow street, on land of Dr. C. F. Flanders. Cause, Frank Gosselin burning brush and it got away. Squad A responded; used 5 pony extinguishers and 1 chemical tank.

STILL. Saturday, May 6, 12.15 noon. Slight fire on roof of cottage house, No. 200 Manchester street, owned by the estate of Thomas Plant, and occupied by Frank Soucey. No damage. Squad A responded.

STILL. Saturday, May 6, 12.40 noon. Fire on roof of two-story wooden tenement house, No. 174 Amherst street, owned by the Young Men's Christian association, and occupied by Anthony Healy. Damage slight. Squad A responded; used 1 chemical tank.

STILL. Saturday, May 6, 2.52 P. M. Brush and grass fire on Gold street, near St. Augustine cemetery, on land of French Catholic society. Hose No. 3 and Squad A responded; used 2 pony extinguishers.

STILL. Saturday, May 6, 4.30 P. M. Brush fire west of Rock Rimmon, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Sunday, May 7, 1.30 P. M. Brush fire on Mammoth and Corning roads, on land of Isaac Huse. Members of Engine No. 7 responded.

STILL. Sunday, May 7, 2 P. M. Brush fire on Mast road in Goffstown, on land of H. K. Libby. Squad A responded.

STILL. Sunday, May 7, 2.30 P. M. Brush fire in the Mosquito Pond district, on land of Isaac Huse. Members of Engine and Ladder No. 3 responded with hose wagon.

STILL. Sunday, May 7, 3 P. M. Brush fire on Hooksett road, on land of Sam Grenier and others. Members of Engine and Ladder No. 5 responded with hose wagon; used 2 pony extinguishers.

STILL. Sunday, May 7, 3.30 P. M. Pine woods on the old Derry turnpike, on land of Isaac Huse. Squad A responded; used 1 pony extinguisher.

STILL. Sunday, May 7, 4.30 P. M. Brush fire on Dunbarton road, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Monday, May 8, 9.08 A. M. Fence around lot at No. 125 Brown avenue, owned by Mrs. Susan Brown. Members of Hose No. 3 responded.

STILL. Monday, May 8, 10.30 A. M. Brush fire on North Beech street, on land of Amoskeag Manufacturing Co. Cause, burning brown-tail moth nests. Squad A responded. No services required.

STILL. Monday, May 8, 12.50 noon. Brush fire on Hall and Vinton streets, on land of Reuben P. Stevens. Members of Engine No. 7 responded.

STILL. Monday, May 8, 5.05 P. M. Brush fire on North River road, on land of C. E. Quimby. Cause, sparks from a Boston & Maine locomotive. About 40 acres of wood burned, which was fully insured. Squad A responded; used 2 pony extinguishers.

STILL. Monday, May 8, 8 P. M. Brush fire on Sprout land, north of Rock Rimmon, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded.

STILL. Wednesday, May 10, 5.35 A. M. The Amoskeag bridge. Slight fire in the planking, probably caused by a cigar stub. Squad A and hose wagon of Engine No. 5 responded; used 2 pony extinguishers.

STILL. Wednesday, May 10, 2.30 P. M. Brush fire on Lake Shore road, on land of Manchester Water Works. Squad A responded.

STILL. Wednesday, May 10, 4.19 P. M. Brush fire north of the Jones brewery barn on Hancock street, on land of Amoskeag Manufacturing Co. Members of Hose No. 3 responded.

STILL. Wednesday, May 10, 4.34 P. M. Brush fire south of the Gas Works, in "The Orchard," on Elm street, owned by Amoskeag Manufacturing Co. Members of Hose No. 3 responded.

STILL. Wednesday, May 10, 4.50 P. M. Forest fire and dwellings in South Hooksett. Squad A and a delegation responded; used 16 pony extinguishers.

2—2—2. Wednesday, May 10, 5.04 P. M. Forest fire in Litchfield, N. H. Sent thirty-three men via Nashua Rapid Transit line in special car furnished by Manchester Street Railway.

STILL. Wednesday, May 10, 9.45 P. M. Grass fire on North River road, on land of Mrs. Alonzo Elliott. Cause, sparks from a Boston & Maine locomotive. Members of Engine and Ladder No. 5 responded with hose wagon.

STILL. Thursday, May 11, 10 A. M. Brush fire on North River road, on land of C. E. Quimby. Rekindling of fire of May 8. Squad A responded.

STILL. Thursday, May 11, 10.55 A. M. Brush fire on Lake Shore road, on land of Manchester Water Works. Rekindling of fire of May 10. Squad A responded.

Box 8. Thursday, May 11, 3.55 P. M. One-story wooden building, Nos. 15-17 Prospect street, owned by Arthur E. Dumas, and occupied by Young Bros. as a mattress factory. Cause, sparks in picker. Box pulled by Cornelius Horan. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $2,800; damage, $1,000; insurance, $2,000; insurance paid, $1,000. Value of contents, $1,400; damage, $1,100; insurance, $1,400; insurance paid, $1,100.

STILL. Thursday, May 11, 7.30 P. M. Brush fire on Hooksett road, on land of Amoskeag Manufacturing Co. Squad A responded.

STILL. Friday, May 12, 1.05 P. M. Brush fire at Glenwood, near Bedford line, on land of city of Manchester, John K. McQuesten, and others. Cause, caught from brush being burned by a lady. Members of Engine No. 2 responded with combination wagon; laid 1,150 feet of hose from hydrant and used 4 pony extinguishers and 4 chemical tanks.

STILL. Saturday, May 13, 11.30 A. M. Brush fire in oak woods on Harrison street, east of the Amoskeag Manufacturing Co.'s reservoir, and on their land. Squad A responded.

STILL. Saturday, May 13, 4.32 P. M. Chimney fire at No. 250 Mitchell street, owned and occupied by Roscoe Gilmore. Hose No. 3 responded; used 2 pony extinguishers and 45 feet of ladders.

Box 71. Saturday, May 13, 8.24 P. M. Three-tenement wooden block, No. 136 East Spruce street, owned by Henri Bouchard, and occupied by several Greek families. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Truck 3.

Box 521. Sunday, May 14, 2.01 P. M. Grass fire on Winter street (near the dump). Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6.

STILL. Sunday, May 14, 2.03 P. M. Grass fire at Mitchell's crossing, near and on land of Boston & Maine railroad, and about 100 old railroad ties. Cause, sparks from locomotive. Hose No. 3 responded.

STILL. Sunday, May 14, 2.10 P. M. Grass fire in lower end of the "Orchard," on South Elm street, and in rear of the Union chapel. Members of Hose No. 3 responded.

STILL. Tuesday, May 16, 7.35 A. M. Chimney fire in two-story dwelling house, No. 182 Spruce street, owned by J. F. Flanders, and occupied by Peter Tuzier. Squad A responded; used 2 pony extinguishers.

STILL. Tuesday, May 16, 4.25 P. M. Brush fire between Oak and

Maple streets, on land of Amoskeag Manufacturing Co. Set by boys. Members of Hose No. 2 responded; used 2 pony extinguishers.

STILL. Wednesday, May 17, 1.40 P. M. Brush fire on Smyth road, on land of Amoskeag Manufacturing Co. Squad A responded.

STILL. Wednesday, May 17, 5.35 P. M. Brush fire in rear of No. 145 Boynton street, on land of B. J. Mack. Set by boys. Members of Engine No. 2 responded with combination wagon; used 2 pony extinguishers and 1 chemical tank.

Box 4. Wednesday, May 17, 11.35 P. M. An ash-box in rear of No. 62 Spruce street set afire by hot ashes. No damage. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

STILL. Friday, May 19, 5.30 P. M. Chimney fire in four-tenement wooden block, No. 25 Mast street, owned by George B. Rogers of Dover, N. H., and occupied by several families. Members of Engine No. 2 responded with combination wagon; used 1 pony extinguisher.

STILL. Saturday, May 20, 2.30 P. M. A pile of rubbish in Derryfield lane set by boys. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Saturday, May 20, 3.30 P. M. A pile of rubbish in rear of 29 Amherst street set by boys. Squad A responded; used garden hose from sill-cock.

STILL. Sunday, May 21, 3.34 P. M. Brush fire at Goffe's Falls, on land of Philip Riley and others, between Pine Island park and Mill road. Hose No. 3 and Squad A responded; used 2 pony extinguishers.

STILL. Monday, May 22, 3.11 P. M. Chimney fire in cottage house, No. 224 Sagamore street, owned by E. V. Davidson, and occupied by James Wilkinson. Squad A responded; used pony extinguisher.

STILL. Tuesday, May 23, 9.15 A. M. Two-and-one-half-story dwelling, No. 269 Lake avenue, owned by the estate of John T. Moore, and occupied by Barney Hughes. Cause, rubber pipe to gas stove melted off. Squad A responded; used 1 chemical tank.

STILL. Tuesday, May 23, 12.50 noon. Chimney fire in two-story wooden dwelling, No. 210 Auburn street, owned by M. J. Silverstein, and occupied by Samuel Macks. Squad A responded; used 2 pony extinguishers.

After attending to this chimney, the squad used 1 chemical tank for a chimney fire in the three-story dwelling house of Mary O'Brien at No. 194 Auburn street.

STILL. Friday, May 26, 12.50 noon. Chimney fire in cottage house, No. 57 Amory street, owned by Gertrude Connor, and occupied by George Connor and others. Members of Engine and Ladder No. 6 responded; used 2 pony extinguishers.

STILL. Friday, May 26, 3 P. M. An unoccupied barn in rear of No. 112 Arlington street, owned by F. B. Cate. Cause unknown. Squad A responded. Extinguished with pails of water.

STILL. Sunday, May 28, 3.30 P. M. False alarm caused by an un-

adjusted thermostat in the Crafts shoe shop on West Hancock street. Members of Engine No. 2 responded with combination wagon.

STILL. Monday, May 29, 5.10 A. M. Four-story brick block, No. 48 Hanover street, occupied by the Union Publishing Co. Cause, burning paper in boiler. Squad A responded. No services required.

STILL. Tuesday, May 30, 7.20 A. M. Chimney fire in two-and-one-half-story wooden tenement block, No. 143 Cedar street, owned by D. F. Murphy, and occupied by several families. Squad A responded; used 2 pony extinguishers.

Box 21. Thursday, June 1, 8.42 P. M. Three-story wooden block, No. 345 Chestnut street, owned by John M. Knowles, and (tenement) occupied by Wladeslas Themech. Cause, smoker's pipe. Extinguished with chemicals. Box pulled by citizen. Companies responding, Engines 3, 4, chemical, Hose 1, Squad A, Trucks 1, 3. Value of building, $5,000; damage, $125; insurance, $3,100; insurance paid, $125. Value of contents, $500; damage, $20; no insurance.

STILL. Saturday, June 3, 10.22 A. M. An ash-box in rear of No. 34 Vine street, owned by the Stark corporation, and occupied by John Belliveau. Squad A responded. No services required.

STILL. Saturday, June 3, 11.35 A. M. City dump on Wentworth street. Members of Engine No. 2 responded with combination wagon; laid 450 feet hose from hydrant.

STILL. Saturday, June 3, 12.02 noon. Barn in rear of No. 48 Concord street, owned by John F. Mahoney, and occupied by Gordon Atwood. Cause, boy and girl playing with matches in back street. The boy, Blakej Shufert, was severely burned. Squad A responded; used 1 chemical tank.

STILL. Sunday, June 4, 11.45 P. M. Three-story brick building, corner of Canal and West Cedar streets, owned by Antoinette L. Hill, and occupied by the Manchester Supply Co. False alarm caused by an unadjusted sprinkler. Squad A responded.

STILL. Monday, June 5, 6.55 P. M. Chimney fire in two-and-one-half-story tenement house, No. 217 Notre Dame avenue, owned by Amedee Raiche, and occupied by three families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Saturday, June 10, 9.30 A. M. Chimney fire in three-story wooden block, No. 470 Amory street, owned by Paul St. Louis, and occupied by three families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

STILL. Monday, June 12, 8.58 A. M. Chimney fire in two-and-one-half-story dwelling, No. 26 Second street, in Amoskeag, owned by Amoskeag Manufacturing Co., and occupied by Timothy Sullivan. Members of Engine and Ladder No. 5 responded with hose wagon.

STILL. Saturday, June 17, 8.30 A. M. Two-story wooden building, No. 105 Manchester street, owned by Eugene Sigrist, and occupied by John Thul. Cause, overheated dry-room. Squad A responded.

STILL. Sunday, June 18, 9.50 A. M. Grass fire at No. 141 Maple street, on land of Clough and Burke. Members of Engine No. 7 responded.

STILL. Sunday, June 18, 11.15 A. M. Three-story wooden block, corner of Main and Granite streets, owned by Gordon Woodbury, and occupied by Nightingale and Co. Cause, burning paper in stove. Members of Engine No. 2 responded with combination wagon.

STILL. Sunday, June 18, 11.45 A. M. Cottage house, No. 27½ Nashua street, owned by Ephraim T. Hardy, and occupied by John H. Stone. Slight fire on roof. Members of Hose No. 2 responded; used 1 pony extinguisher.

STILL. Sunday, June 18, 4.40 P. M. Brush fire on Mill road, near Pine Island park, on land of Manchester Traction, Light and Power Co. Cause unknown. Squad A responded.

Box 4. Wednesday, June 21, 2.58 P. M. A kettle of fat caught fire in Dyer's café, No. 566 Elm street, building being owned by Emma Ingalls. Box pulled by citizen. Companies responding: Engines 3, 4, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

Box 213. Wednesday, June 21, 3.16 P. M. Cottage house, No. 28 South Beech street, owned by Reuben P. Stevens, and occupied by William Downie. Small fire in partition. Box pulled by citizen before recall of the foregoing fire. Companies responding: Engines 1, 2, 3, 7, chemical, Hose 2, 3, Squad A, Trucks 3, 5; used 1 pony extinguisher. Value of building, $1,000; damage, $39.36; insurance, $700; insurance paid, $39.36. No damage to contents.

STILL. Thursday, June 22, 9.30 A. M. An old mattress in the back street in rear of No. 34 Lowell street. Squad A responded; used 2 pony extinguishers.

STILL. Friday, June 23, 1.20 P. M. Five-story brick block, the Pembroke, owned by the estate of J. Henry Dearborn, and occupied by offices and stores. Cause, awning on fire. Damage slight. Squad A responded. Extinguished before their arrival.

STILL. Friday, June 23, 5 P. M. Chimney fire in two-story dwelling house, No. 152 Wilson street, owned and occupied by Joseph Pelletier. Members of Engine No. 7 responded; used 1 pony extinguisher.

STILL. Saturday, June 24, 7.50 P. M. Sparks on roof of a woodshed in rear of No. 174 Manchester street, owned by George F. Bosher, and occupied by Joyal Smith. No damage. Squad A responded.

STILL. Sunday, June 25, 5.25 P. M. Rapid Transit Car No. 10 of the Manchester Street Railway, en route from Nashua, at the corner of Elm and Shasta streets. Cause, hot-box. Hose No. 3 responded; used 1 pony extinguisher.

Box 4. Friday, June 30, 12.17 P. M. An ash-box in rear of No. 553 Elm street. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3.

Box 5. Friday, June 30, 7.58 P. M. Four-story brick block, No. 1 Pleasant street, owned by Farrington and Simons, and occupied in

basement where fire occurred by Mrs. Ora M. Johonnette as a lunch room. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3. Value of building, $25,000; damage, $100; insurance, $10,000; insurance paid, $100. Value of contents, $400; damage, $50; no insurance.

Box 315. Saturday, July 1, 1.47 A. M. Two-story wooden tenement house, No. 302 Front street, Amoskeag, owned by Tom W. Robinson, and occupied by Gedeon Gagnon. Cause unknown. Box pulled by citizen. Companies responding: Engines 5, 6, chemical, Squad A, Truck 5, and Riverside Hose 5 (independent). Value of building, $1,250; damage, $250; insurance, $800; insurance paid, $250. No damage to contents.

STILL. Saturday, July 1, 12.50 noon. Chimney fire in four-story brick block, No. 33 Lake avenue, owned by Harrington Bros., and occupied by LeMarquand and Gresley. Squad A responded.

STILL. Sunday, July 2, 10.15 A. M. Three-story wooden tenement house, No. 100 Lake avenue, owned by James Rody, and occupied by Nora Kelley. Cause, bed on fire. Damage slight. Squad A responded.

STILL. Sunday, July 2, 2.45 P. M. Brush fire in rear of William Maxwell's in Amoskeag, on land of Moore and Preston. Squad A responded.

STILL. Sunday, July 2, 3.45 P. M. False alarm caused by an unadjusted thermostat in the George P. Crafts shoe shop on West Hancock street. Members of Engine No. 2 responded with combination wagon.

Box 313. Monday, July 3, 3.15 A. M.; second alarm, 3.18 A. M. Three-story wooden block, Nos. 42-46 Amory street, owned by Charlotte E. Woodbury of Bedford, N. H., and occupied by Alfred Paris as a barber shop, Joseph Champagne as a tailor shop, and Peter Syrus as a shoe-shine parlor, where the fire originated. Cause, probably incendiary. First alarm was pulled by Police Officer Coolidge; second alarm by Deputy Chief Fitzsimmons. Companies responding: Engines 1, 2, 4, 5, 6, chemical, Hose 1, 2, Squad A, Trucks 1, 6.

Value of building, $5,000; damage to building, $1,643; insurance on building, $4,000; insurance paid on building, $1,643.

	Syrus	Champagne	Paris
Value of contents.....	$700.00	$400.00	$500.00
Damage to contents.....	150.00	400.00	200.00
Insurance on contents.....	700.00	none	none
Insurance paid on contents.....	150.00	none	none

STILL. Monday, July 3, 2.10 P. M. Brush fire on Valley and Wilson streets, on land of Amoskeag Manufacturing Co. Squad A responded.

STILL. Monday, July 3, 8.40 P. M. False alarm caused by a short circuit on a thermostat in the Kimball Bros. shoe shop, a four-story

brick building, at the corner of Massabesic and Cypress streets. Members of Engine and Ladder No. 3 responded.

STILL. Tuesday, July 4, 11 A. M. Brush fire on the Derry road, near Mosquito pond, on land of Milton C. Paige. Squad A responded.

Box 513. Tuesday, July 4, 11.36 A. M. Cottage house, No. 337 Milford street, owned by Andrew Leckie, and occupied by Charles F. Shedd. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 2, 6, Truck 6. Values of building, $3,500; damage, $725; insurance, $2,000; insurance paid, $725. Value of contents, $1,800; damage, $400; insurance, $500; insurance paid, $355.

Box 71. Tuesday, July 4, 11.45 A. M. Slight fire on the roof of a shed in rear of No. 184 Cedar street, owned by Timothy Sheehan. Cause, fire-crackers. Box pulled by citizen. Companies responding, Engines 1, 3, chemical, Hose 1, 2, 3, Truck 3.

STILL. Tuesday, July 4, 1.05 P. M. Grass fire on Beech street, Manchester and Lawrence railroad land, and on land of the Bodwell heirs. Hose No. 3 responded.

Box 73. Tuesday, July 4, 1.37 P. M. Slight fire on roof of cottage house, No. 163 (rear) East Spruce street, owned by J. F. Baldwin, and occupied by Maurice Belliveau. Cause, fire-crackers. Damage trifling. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 2, Squad A, Truck 3.

Box 71. Tuesday, July 4, 6.22 P. M. A few sparks on the roof of a shed in rear of Nos. 209-211 Pine street caused an unnecessary alarm. No damage. Box pulled by a boy. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Truck 3.

STILL. Tuesday, July 4, 9.10 P. M. Brush fire on Oak hill in Derryfield park, owned by the city of Manchester. Cause, fireworks. Squad A responded; used 2 pony extingushers.

STILL. Tuesday, July 4, 9.33 P. M. Sparks on roof of a two-story dwelling house, No. 135 Orange street, owned by Pariseau and Deschenes, and occupied by Mrs. Auree Pellerin. No damage. Chemical engine responded; used 1 chemical tank.

STILL. Wednesday, July 5, 2.45 P. M. Pine needles in a pine grove on the Derry road, near Mosquito pond, on land of Milton C. Paige. Rekindling of yesterday's fire. Squad A responded.

STILL. Thursday, July 6, 1.55 P. M. Grass fire at the Manchester Driving park, owned by the Driving Park association. Squad A responded; used 2 pony extinguishers.

Box 14. Thursday, July 6, 4.52 P. M. Two-and-one-half-story dwelling, No. 60 Prospect street, owned and occupied by Hon. C. A. Sulloway. Cause, lightning. Box pulled by Carl S. Magoon. Companies responding: Engines 1, 5, chemical, Hose 1, 2, Squad A, Truck 5. Value of building, $10,000; damage, $2,100; insurance, $5,500; insurance paid, $1,846. Value of contents, $4,500; damage, $2,481; insurance, $3,300; insurance paid, $2,181.

Box 511. Thursday, July 6, 6.28 P. M. Needless alarm pulled for a

smoky oil-stove at 537 Granite street. Box pulled by a citizen. Companies responding: Engines 2, 6, Squad A, Truck 6.

STILL. Friday, July 7, 10.45 A. M. Chimney fire in two-story wooden dwelling, No. 60 Bridge street, owned by J. E. Weston, and occupied by John Lane. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

Box 71. Friday, July 7, 2.31 P. M. Two-story wooden tenement house, No. 189 Lake avenue (rear), owned by Isaac Finman, and occupied by J. Fleishman and John Donovan. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 3, 4, chemical, Hose 1, 3, Squad A, Truck 3. Value of building, $2,500; damage, $75; insurance, $2,000; insurance paid, $75. Value of contents, $750; damage, $225; insurance, $500; insurance paid, $225.

STILL. Friday, July 7, 2.50 P. M. While Engine No. 4 was at the above fire sparks were thrown upon the roof of a three-story dwelling, No. 104 East Spruce street, owned by James Cassis, and occupied by A. G. Agrigianis. No damage. Squad A responded.

STILL. Friday, July 7, 8.30 P. M. Somebody saw the smudge-pot for burning brown-tail moths on an electric light arm at the corner of Bridge and Nashua streets and called Hose No. 2.

STILL. Saturday, July 8, 11.05 A. M. Chimney fire in two-story wooden dwelling, No. 97 Cedar street, owned by A. Pappacostas, and occupied by Nicholas Cedar. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, July 8, 12.15 noon. Awning on the four-story brick block, corner of Lowell and Elm streets, known as Scully's Corner, owned by James A. Scully. Damage slight. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, July 8, 2.30 P. M. Three-story wooden dwelling, No. 362 Merrimack street, owned by John Healy, and occupied by Mrs. Arthur E. Hatch. Cause, open gas-main. Squad A responded; used 1 chemical tank.

STILL. Saturday, July 8, 3.10 P. M. Brush fire at Glenwood, west of Boynton street, on land of the Kennard heirs. Members of Engine No. 2 responded.

STILL. Saturday, July 8, 3.25 P. M. Additional help required for above fire, and Squad A responded.

STILL. Sunday, July 9, 1.20 P. M. Brush fire on Weston road, on land of the Daniel Connor heirs. Barn on the premises threatened. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Sunday, July 9, 3 P. M. Brush fire on Amory street extension, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 responded with hose wagon.

STILL. Sunday, July 9, 3.30 P. M. Two-story brick building, No. 117 Walnut street, owned by the heirs of Patrick Harrington, and

occupied by Mrs. Patrick Harrington. Cause, smoky chimney. Squad A responded.

STILL. Sunday, July 9, 5.35 P. M. Some loose hay in rear of No. 517 Elm street. No damage. Squad A responded; used 1 pony extinguisher.

STILL. Tuesday, July 11, 2.30 P. M. Brush fire on Adams and Cartier streets, West Side, on land of Amoskeag Manufacturing Co. Members of Engine No. 2 responded with combination wagon; used 2 pony extinguishers.

STILL. Tuesday, July 11, 3.35 P. M. Fence at Varick park, owned by the Amoskeag Manufacturing Co., and leased by William J. Freeman. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Wednesday, July 12, 12.49 noon. Brush fire on sprout land, west of Beech street, on Mystic street, on land owned by Augusta Gray. Members of Hose No. 3 responded; used 1 pony extinguisher.

STILL. Wednesday, July 12, 4.15 P. M. Two-story wooden dwelling house, No. 48 Concord street, owned by John F. Mahoney, and occupied by Armand Lemire. Slight fire in bedroom started from some unknown cause. Squad A responded; used 1 pony extinguisher. Value of building, $1,500; damage, $8.25; insurance, $1,500; insurance paid, $8.25. No damage to contents.

Box 21. Thursday, July 13, 12.11 night. Slight fire on roof of a shed in rear of No. 180 Lake avenue, owned by Mortimer Shea. Damage slight. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3.

STILL. Friday, July 14, 9.20 A. M. Forest fire on Hackett Hill road, on land of L. M. Pike and others. Squad A and a delegation from Engine and Ladder No. 5 responded. On duty 7 hours.

STILL. Friday, July 14, 9.10 P. M. Chimney fire at No. 23 South street, in dwelling owned by Ai Hardy, and occupied by Albert Wilkinson. Members of Hose No. 2 responded. No services.

STILL. Saturday, July 15, 9.30 A. M. Rekindling of forest fire on Hackett Hill road. Squad A responded. On duty six hours.

STILL. Saturday, July 15, 10 A. M. Brush fire on Valley street, west of Wilson street, on land of Amoskeag Manufacturing Co. Members of Engine No. 7 responded; used 1 pony extinguisher.

STILL. Saturday, July 15, 11.25 A. M. Fire in pine needles on Lingard street, on land of the heirs of Bodwell, Weston, and Upton. Hose No. 3 responded; laid 650 feet of hose from hydrant and used 1 pony extinguisher.

STILL. Saturday, July 15, 1.20 P. M. Grass fire on Somerville and Taylor streets, on land of George French. Members of Engine No. 7 responded.

STILL. Saturday, July 15, 11.45 P. M. A mattress on roof of one-story wooden building, No. 62 Derryfield lane, occupied by Dan Daoust. Squad A responded.

2—2—2. Sunday, July 16, 6.15 A. M. Rekindling of forest fire on Hackett Hill road. Squad A and delegations from other companies, 40 men in all, responded.

2—2—2. Sunday, July 16, 2.24 P. M. For a relief squad to assist at the above fire. Twenty men sent. About 1,000 acres burned over in three days.

STILL. Sunday, July 16, 3.05 P. M. Brush fire on Goffstown road, near the line. Members of Engine No. 2 responded.

STILL. Sunday, July 16, 5.45 P. M. Brush fire on Webster street, east of Hooksett road, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 5 responded; used 2 pony extinguishers.

STILL. Monday, July 17, 2.30 P. M. Rekindling of yesterday's fire on Webster street. Members of Engine and Ladder No. 5 responded.

STILL. Monday, July 17, 5.30 P. M. Fence at Manchester Driving park, owned by the Driving Park association. Hose No. 3 responded; laid 1,050 feet of hose from hydrant and used 1 pony extinguisher.

Box 214. Tuesday, July 18, 8.45 A. M. Three-story wooden tenement block, No. 282 Belmont street, owned by Mrs. A. Trudeau, and occupied by Albert P. Trudeau. Cause, using kerosene near a stove to kill cockroaches. Extinguished before arrival of apparatus. No damage. Box pulled by citizen. Companies responding: Engines 3, 7, Hose 2, 3, Combination 2, Squad A, Trucks 1, 3.

STILL. Wednesday, July 19, 10.40 A. M. Grass fire on Clay street, on land of Joseph K. Mitchell. Members of Engine No. 7 responded; used 1 pony extinguisher.

STILL. Thursday, July 20, 11.15 A. M. Chimney fire in three-story wooden block, No. 8 Pearl street, owned by the heirs of A. D. Burgess, and occupied by George Stafford. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, July 20, 2.45 P. M. Grass and peat fire on Hayward street, on land of William H. Huse. Members of Engine No. 7 responded with hose wagon; laid 800 feet of hose from hydrant. On duty 4 hours.

STILL. Saturday, July 22, 1.50 P. M. Grass fire north of Rock Rimmon, near Coolidge avenue, on land of Amoskeag Manufacturing Co. Members of Engine and Ladder No. 6 with hose wagon and Squad A responded; used 6 pony extinguishers.

STILL. Saturday, July 22, 4 P. M. Grass fire on Bridge and Highland streets, on land owned by Bishop George A. Guertin. Members of Combination No. 2 responded; used 2 pony extinguishers.

STILL. Saturday, July 22, 4.20 P. M. Brush fire on sprout land, on south side of Bald Hill road, owned by several parties. Squad A responded.

STILL. Sunday, July 23, 12.30 noon. Rekindling of yesterday's fire on Bald Hill road. Squad A responded.

STILL. Sunday, July 23, 1.40 P. M. Grass fire on Porter street, on land of Herman Maynard. Members of Engine No. 7 responded with hose wagon; laid 450 feet of hose from hydrant.

Box 57. Friday, August 4, 8.58 P. M. A small smoke-house on Groux island, on the Piscataquog river, owned by Max Leinsing. Cause, overheated. Box pulled by a boy. Companies responding: Engines 2, Hose 1, Squad A, Truck 6. Value of building, $20; damage, $20; no insurance.

STILL. Tuesday, August 8, 12.07 noon. Slight partition fire around a closet in three-story wooden block, No. 130 Merrimack street, owned and occupied by Jake Ratner. Squad A responded; used 1 chemical tank and 20 feet of ladders.

STILL. Friday, August 11, 10.20 P. M. Slight fire on roof of two-and-one-half-story tenement house, No. 190 Chestnut street, owned by George Marsters, and occupied by Midas Damias. Squad A responded. No services.

Box 8. Monday, August 14, 12.28 P. M. An ash-box attached to a stable in rear of the Webster block, in Elm West Back street, owned by Edwin Kennedy and others. Cause, boys with matches. Box pulled by citizen. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5.

STILL. Monday, August 14, 3 P. M. Brush fire on land of Cleaves Harvey on the Londonderry road, in the Harvey district. Cause, sparks from a Boston & Maine locomotive. Squad A responded. Extinguished by Boston & Maine section men before their arrival.

STILL. Tuesday, August 15, 10.50 P. M. Six barrels of lime on Prospect street, near Elm, owned by the J. H. Mendell Co. Cause, rain. Squad A responded; used 1 pony extinguisher.

Box 24. Friday, August 18, 9.50 P. M. Two-story wooden block, Nos. 401-405 East Spruce street, owned by People's Laundry Co., and occupied by Augustus D. Benway, barber; Harry Perolman, tailor; and C. Fred Fearon, confectioner. Fire started from some unknown cause in rear of Perolman's and Benway's stores. Box pulled by citizen. Companies responding: Engines 3, 7, Hose 2, Combination 2, Squad A, Truck 3. Value of building, $4,000; damage, $695; insurance, $3,000; insurance paid, $695. Value of contents, $2,400; damage, $275; insurance, $1,400; insurance paid, $185.

STILL. Monday, August 21, 2.55 P. M. One-story wooden building, No. 202 Manchester street, owned by Arthur Lapointe, and occupied by Arthur Auger. Cause, frying potatoes, making considerable smoke. No fire. Squad A responded.

STILL. Wednesday, August 23, 9.50 A. M. Chimney fire in two-and-one-half-story tenement house, No. 106 Derryfield lane, owned by Kate Lynch, and occupied by Thomas Shannon. Chemical engine responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Wednesday, August 23, 10.30 A. M. Three-story brick block, Nos. 977-985 Elm street, owned by the heirs of James A. Weston,

and occupied by F. W. Woolworth & Co. 5 and 10-cent store. Cause, back-draft in chimney. Members of Squad A and chemical engine responded.

Box 71. Saturday, August 26, 2.57 A. M. One-story wooden building, formerly a blacksmith shop, in rear of 225 Pine street, owned and occupied by Michael Connor as a storehouse. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Truck 3. Value of building, $1,000; damage, $200; insurance, $500; insurance paid, $150. Value of contents, $250; damage, $100; insurance, $200; insurance paid, $50.

STILL. Thursday, August 31, 7.45 A. M. False alarm called Squad A to the corner of Hanover and Maple streets, where no cause could be learned for the telephone call from some unknown person.

Box 71. Friday, September 1, 10.09 A. M. Two-and-one-half-story wooden building, No. 190 Cedar street, used as a tenement and a meat store, owned by Isaac Bello, and occupied by ——— Hoffman as a meat store and tenement, with Myers M. Baker up-stairs. Cause unknown. Extinguished with chemicals. Box pulled by Anthony Michel. Companies responding: Engines 3, 4, chemical, Hose 1, 3, Squad A, Trucks 1, 3. Value of building, $3,000; damage, $200; insurance, $1,500; insurance paid, $200. Value of contents, $1,000; damage, $150; insurance, $1,000; insurance paid, $150.

Box 26. Wednesday, September 6, 9.59 P. M. Three-story wooden block, No. 29 Nashua street, owned by J. H. Parmerton, and occupied by W. G. Williams as a grocery store and two families upstairs. Fire originated in store-room in rear from some unknown cause. Box pulled by citizen. Companies responding: Engines 1, 3, Hose 2, Combination 2, Squad A, Truck 3. Value of building, $7,000; damage, $375; insurance, $5,500; insurance paid, $375. Value of contents, $2,000; damage, $800; insurance, $1,500; insurance paid, $800.

Box 26. Wednesday, September 6, 10.40 P. M. Rekindling of above fire, to which Hose No. 2 and Squad A had responded, caused someone to unnecessarily pull the box again. Companies responding: Engines 4, 5, chemical, Hose 1, Truck 5; Hose 2 and Squad A there on still.

Box 27. Thursday, September 7, 9.04 P. M. Three-story wooden tenement block, No. 457 Hanover street and No. 540 Hall street, owned by George W. Rief, and occupied by F. L. Seems, John Potts, and Mrs. S. J. Huntoon. Cause, spontaneous combustion. Box pulled by Seems. Companies responding: Engines 3, 4, Combination 2, Squad A, Truck 3. Extinguished with chemicals. Value of building, $3,000; damage, $92.60; insurance, $2,000; insurance paid, $92.60. No damage to contents.

Box 21. Sunday, September 10, 9.50 P. M. Two-and-one-half-story wooden block, No. 225 Manchester street, owned and occupied by John McMillan. Cause, rags on top of baker's oven. Extinguished with 1 pony extinguisher. No damage. Box pulled by citizen. Com-

panies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3.

Box 71. Monday, September 11, 12.37 noon. The smell of burning paper in the tenement house at No. 199 Lake avenue, owned by Ida Spevock, and occupied by her and others, caused someone to ring in an alarm. No fire could be found. Companies responding: Engines 3, 4, chemical, Hose 1, 3, Squad A, Truck 3.

Box 224. Monday, September 11, 2.34 P. M. Cottage house, No. 763 Hayward street, owned and occupied by Albert Groux. Cause, 4-years-old boy playing with matches. Box pulled by citizen. Companies responding: Engines 3, 7, Hose 2, 3, Combination 2, Squad A, Truck 3. Value of building, $3,000; damage, $1,100; insurance, $2,000; insurance paid, $1,000. Value of contents, $850; damage, $700; insurance, $1,000; insurance paid, $650.

STILL. Tuesday, September 12, 10.40 P. M. Chimney fire in two-story wooden tenement house, No. 65 Amherst street, owned by Ella J. Bond, and occupied by Napoleon D. Deucat. Squad A responded; used 1 chemical tank.

Box 511. Thursday, September 14, 5.45 P. M. Chimney fire in three-story tenement house, No. 47 Green street, owned by Hime Schachter, and occupied by several families. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6; used 1 chemical tank.

STILL. Saturday, September 16, 1.25 P. M. Ash-box at the Worthen flats, No. 452 Pine street, owned and occupied by Sanborn T. Worthen. Squad A responded; used 1 pony extinguisher.

Box 51. Sunday, September 17, 6.18 P. M. Slight fire in freight car, Boston & Maine 49353, on the Turner-street side track. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6; used 1 chemical tank.

Box 324. Tuesday, September 19, 9.37 P. M. Cottage house and barn on the bank of the Piscataquog river, below Kelley's Falls, owned and occupied by John Hanneman. Cause, spontaneous combustion. Box pulled by Arthur Faber. The alarm from this box took the department over a mile out of the way before reaching the fire. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6. Value of buildings, $1,200; damage, $1,200; insurance, $1,000; insurance paid, $1,000. Value of contents, $500; damage, $300; insurance, $500; insurance paid, $300.

STILL. Wednesday, September 20, 6.45 A. M. Chimney fire in cottage house, No. 301 Porter street, owned and occupied by Mrs. Margaret Haggerty. Members of Engine No. 7 responded. No services required.

STILL. Saturday, September 23, 2.40 P. M. Box of waste material in rear of H. M. Moody's clothing store, No. 950 Elm street. No damage. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Tuesday, September 26, 5.30 P. M. Chimney fire in two-and-

one-half-story wooden tenement building, No. 485 Rimmon street, owned by Anastasia Gariepy, and occupied by her and others. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Tuesday, September 26, 8.20 P. M. Chimney fire in three-story wooden tenement house, No. 147 Manchester street, owned by Moses Weyner, and occupied by John Dachovsky. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, September 28, 8.02 P. M. Chimney fire in two-story tenement house in rear of No. 77 Lake avenue, owned by Doctor Richardson of Londonderry, N. H., and occupied by Sara Barrett. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Friday, September 29, 7.38 P. M. Escaping steam from four-story brick block, No. 292 Pine street, owned by Mrs. Etta T. Topping, and occupied by Savage Bros. as a paint and paper-hanging shop and others as tenement. No fire. Squad A responded.

Box 57. Saturday, September 30, 7.40 A. M. A cottage house on Stewart street, near Plymouth street, owned and occupied by Elmer Gage. Cause, children playing with matches. Box pulled by citizen. Companies responding: Engine 2, Hose 1, Squad A, Truck 6. Squad A was on the way in response to a "still" when alarm struck. Value of building, $1,500; damage, $495; insurance, $800; insurance paid, $495. Value of contents, $400; damage, $100; no insurance.

STILL. Sunday, October 1, 11.20 A. M. Chimney fire in cottage house, No. 165 Central street, owned by Sam Lord, and occupied by Henry Bourbeau. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Wednesday, October 4, 6.40 P. M. Two-story wooden block, No. 42 Laurel street, owned by Dr. A. F. Wheat, and occupied by Rose Gibson. Cause, lamp explosion. Squad A responded. Extinguished before their arrival.

STILL. Friday, October 6, 11 P. M. Chimney fire in four-story brick block, No. 66 West Central street, owned and occupied by P. J. Morrissey as the Hotel Paragon. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

Box 512. Sunday, October 8, 8.38 P. M. Four-story wooden block, No. 11 Schuyler street, owned by J. P. Lariviere, and occupied by Ulric Trottier and others. Cause, coat hanging on chair. Damage slight. Box pulled by a police officer. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6.

STILL. Saturday, October 14, 4.15 A. M. Chimney fire in cottage house, No. 264 Spruce street, owned and occupied by Frank Opelt. Squad A responded; used 1 pony extinguisher.

STILL. Saturday, October 14, 3.30 P. M. An automobile in the garage of the Fitz-Dillingham Co., No. 71 Lowell street, owned by Carroll Hayes. Squad A responded; used 1 chemical tank.

Box 71. Saturday, October 14, 7.46 P. M. Slight fire in closet in two-and-one-half story tenement house, No. 165 Cedar street, owned

by David Mulman, and occupied by Louis Adler. Cause unknown. Loss, $50; fully insured. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Truck 3. Extinguished with chemicals.

Box 71. Saturday, October 14, 9.15 P. M. A bag of waste in basement of tenement block, No. 210 Auburn street, owned by M. F. Silverman, and occupied by Mary Landry. No damage. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Truck 3.

STILL. Sunday, October 15, 1.20 P. M. Brush fire on Cilley road and Cypress street, on land of John Porter. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Sunday, October 15, 2.11 P. M. An automobile at No. 608 North River road, owned by Leonard G. Smith. Cause, back-fire through carburettor. Engine 5, Squad A, and Truck 5 responded. Value of automobile, $2,500; damage, $245; insurance, $1,750; insurance paid, $250.

Box 325. Monday, October 16, 2.10 P. M. Two-and-one-half-story dwelling, No. 59 Bremer street, owned by J. St. Onge, and occupied by Louis H. Beaudry and Mrs. Ed. Doucet. Cause unknown. Box pulled by Edward Bailey. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6. Extinguished with chemicals. Value of building, $4,000; damage, $252.50; insurance, $4,000; insurance paid, $252.50. Value of contents, $1,200; damage, $125; insurance, $1,000; insurance paid, $75.

Box 23. Friday, October 20, 9.21 P. M. Shed in rear of No. 137 Laurel street, owned by Martin A. Haynes, and occupied by Ernest Gay as an automobile garage. Cause, gasoline. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, 2, Squad A, Truck 3. Value of building, $500; damage, $50; insurance, $300; insurance paid, $50. Value of contents, $400; damage, $150; insurance, $250; insurance paid, $150.

STILL. Sunday, October 22, 6.30 P. M. False alarm caused by an unadjusted thermostat in the Kimball Bros. shoe shop, a four-story brick building, at the corner of Massabesic and Cypress streets Members of Engine and Ladder No. 3 responded with hose wagon.

Box 6. Monday, October 23, 1.24 A. M. Four-story brick block, No. 48 Hanover street, owned by the Manchester Savings bank, and occupied, in room where fire occurred, by Leo Pulcha. Cause unexplained. Box pulled by Police Sergt. John J. Lynch. Companies responding: Engines 1, 4, chemical, Hose 1, 2, Squad A, Trucks 1, 5. Extinguished with chemicals. Value of building, $66,000; damage, $198; insurance, $37,000; insurance paid, $198. Value of contents of room, $100; damage, $50; insurance, $200; insurance paid, $50.

STILL. Monday, October 23, 5.30 P. M. Chimney fire in three-story tenement house, No. 157 Pearl street, owned by the heirs of J

Nason Hall, and occupied by Frank Lariviere and others. Squad A responded; laid 50 feet of hose.

STILL. Thursday, October 26, 8.19 A. M. An automobile at No. 15 High street, owned by Edwin F. Jones. Cause, back-firing. Squad A responded. Value of automobile, $1,200; damage, $60; insurance, $1,000; insurance paid, $60.

STILL. Thursday, October 26, 7.50 P. M. Chimney fire in two-and-one-half-story wooden dwelling house, No. 354 East Spruce street, owned by Theodor B. Hillerdt, and occupied by S. Sturtevant. Members of Engine and Ladder No. 3 responded with hose wagon; used 2 pony extinguishers.

STILL. Sunday, October 29, 8.55 A. M. Two-and-one-half-story wooden dwelling house, No. 32 Myrtle street, owned by Gordon Woodbury, and occupied by Lillian French. Cause, alcohol lamp. Squad A responded; no services required.

Box 15. Monday, October 30, 4.08 P. M. An ash-box in rear of No. 102 Pearl street. No damage. Box pulled by citizen. Companies responding: Engines 1, 4, 5, chemical, Hose 2, Squad A, Trucks 1, 5; used 2 pony extinguishers.

STILL. Wednesday, November 1, 6.50 P. M. Chimney fire in dwelling house, No. 53 Walker street, owned and occupied by Ferdinand Riedel. Members of Engine No. 2 responded with combination wagon; used 2 pony extinguishers.

STILL. Saturday, November 4, 10.45 A. M. Chimney fire in two-story dwelling, No. 136 Walker street, owned by Oscar Brown, and occupied by John Ferguson. Members of Engine No. 2 responded with combination wagon, also Squad A responded; used 2 pony extinguishers and 1 chemical tank.

Box 17. Saturday, November 4, 5.14 P. M. One-story shed in rear of No. 293 Amherst street, used as a garage, owned by Adam Fortuna, and occupied by Michael Jasinski. Cause, lighted match dropped on floor. Box pulled by citizen. Companies responding: Engines 3, 4, chemical, Hose 1, 2, Squad A, Truck 3. Value of building, $200; damage, $2; insurance, $200; insurance paid, $2. Value of contents, $800; damage, $5; no insurance.

STILL. Sunday, November 5, 3 P. M. Six-story brick building, the Pickering, No. 913 Elm street, owned by Bean, Bond, and Clough, and occupied by Wrenn Bros. & Co. Cause, cigar stub on awning. Damage slight. Squad A responded. No services required.

Box 21. Sunday, November 5, 6.41 P. M. Two-story tenement house in rear of No. 177 Central street, owned by M. Weiner, and occupied by Sam Bellagrowski. Slight fire in closet, doing but little damage. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3.

STILL. Monday, November 6, 10.35 A. M. A dwelling house on Mast street, in the yard of the U. S. Bobbin and Shuttle Co., owned by them, and occupied by their employees. Slight fire in closet. Mem-

bers of Engine No. 2 responded with combination wagon. Extinguished before their arrival.

STILL. Monday, November 6, 3.10 P. M. Chimney fire in three-story brick block, No. 99 Manchester street, owned by Mrs. ——— Kearns, and occupied by Rosie Paris. Chemical engine responded; used 1 pony extinguisher.

STILL. Monday, November 6, 10.30 P. M. Four-story brick block, No. 897 Elm street, occupied by L. P. Labonte. Cause, overheated chimney. Chemical engine responded. No services required.

STILL. Tuesday, November 7, 3.50 P. M. Chimney fire in dwelling house, No. 428 Lowell street, owned and occupied by Jesse W. Mudgett. Combination No. 2 responded; used 1 pony extinguisher and 1 chemical tank.

Box 4. Saturday, November 11, 6.54 P. M. Two-story brick block, No. 590 Elm street, owned by Bond, Dennett, and Higgins, and occupied, on second floor, by George Zounkos as a photograph gallery. Cause, gas-jet in dark-room. Box pulled by citizen. Companies responding: Engines 1, 7, chemical, Hose 1, 3, Squad A, Trucks 1, 3, 7. Value of building, $6,000; damage, $198.20; insurance, $4,000; insurance paid, $198.20. Value of contents, $400; damage, $100; no insurance.

STILL. Sunday, November 12, 4.55 P. M. Chimney fire in two-story wooden tenement house, No. 40 Cedar street, owned by Lawrence Connor, and occupied by John Kelliher. Squad A responded; used 1 chemical tank.

Box 511. Monday, November 13, 8.18 P. M. A coat in a closet in the German Lutheran church, corner of Green and Conant streets. Damage slight. Extinguished with 1 pony extinguisher. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6.

Box 212. Tuesday, November 14, 7.40 P. M. Three-story wooden block, No. 369 Massabesic street, owned by the Cody heirs, and occupied by Mrs. Mary Hogan and others. Cause, woodbox. Damage slight. Box pulled by citizen. Companies responding: Engines 3, 7, Hose 2, Combination 2, Squad A, Trucks 3, 7.

STILL. Thursday, November 16, 5.30 P. M. False alarm caused by an unadjusted thermostat in Kimball Bros. shoe shop, at the corner of Massabesic and Cypress streets. Members of Engine and Ladder No. 3 responded.

STILL. Thursday, November 16, 9.15 P. M. Chimney fire in two-and-one-half-story wooden block, No. 312 Pine street, owned by Dr. A. F. Wheat, and occupied by Margaret Walsh. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

STILL. Friday, November 17, 8.30 A. M. Three-story wooden tenement block, No. 6 Kidder court, owned by the Stark corporation, and occupied by Louis Nolet and others. Cause, clothes in closet. Squad A responded. Extinguished before their arrival.

Box 21. Friday, November 17, 7.45 P. M. Chimney fire in two-and-one-half-story wooden tenement block rear of No. 166 Lake avenue, owned by Byron W. Blodgett, and occupied by Mrs. C. Burke. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3.

Box 17. Friday, November 17, 8.06 P. M. A barn attached to cottage house, No. 35 Dutton street, owned by Eben L. Bartlett of New Boston, N. H., and occupied by Everett Freeman. Cause unknown. Box pulled by citizen. Companies responding: Engines 2, 3, 4, chemical, Hose 1, 2, Combination 2, Squad A, Trucks 3, 5. Value of building, $1,200; damage, $105.83; insurance, $1,000; insurance paid, $105.83. Value of contents, $500; damage, $100; no insurance.

STILL. Saturday, November 18, 9.50 A. M. Chimney fire in three-and-one-half-story tenement block, No. 38 Vine street, owned by the Stark corporation, and occupied by Frank Whittles. Members of chemical engine responded; used 2 pony extinguishers.

STILL. Saturday, November 18, 3.30 P. M. Three-story wooden dwelling, No. 359 Beech street, owned by Isaac Stahl, and occupied by James Byron. Cause, lace curtain. Squad A responded. Extinguished before their arrival.

STILL. Sunday, November 19, 2.30 P. M. Chimney fire in cottage house, No. 393 Merrimack street, owned by the heirs of Edwin A. Moulton, and occupied by Laura A. Moulton. Members of Engine and Ladder No. 3 responded; used 2 pony extinguishers.

STILL. Sunday, November 19, 3.10 P. M. Chimney fire in four-story brick block, No. 101 Amherst street, owned by the estate of John McKenna, and occupied by Delina St. Cyr. Squad A responded; used 2 pony extinguishers.

STILL. Tuesday, November 21, 11.30 A. M. Chimney fire in two-and-one-half story tenement block, No. 142 Merrimack street, owned by the estate of A. L. Walker, and occupied by Mrs. Mary H. Walker. Squad A responded; used 1 pony extinguisher.

STILL. Wednesday, November 22, 5.50 A. M. Chimney fire in wooden tenement house, No. 102 Winter street, owned by Charles Bergland, and occupied by Mrs. Olive Boardman. Members of Engine No. 2 responded with combination wagon; used 2 pony extinguishers.

STILL. Wednesday, November 22, 6.30 A. M. Chimney fire in tenement house, No. 25 Mast street, owned by Frank L. Way, and occupied by George Wilson. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, November 23, 12.55 noon. Brush fire on the hill west of Front street and north of Goffstown road, in Amoskeag. Squad A responded. Extinguished before their arrival.

STILL. Thursday, November 23, 1.16 P. M. Grass fire on land of Margaret MacKenzie at No. 179 Baker street. Cause, sparks from Boston & Maine locomotive. Members of Hose No. 3 responded.

STILL. Thursday, November 23, 8.45 P. M. Three-story wooden tenement block, No. 767 Somerville street, owned by Adelard Tatro,

and occupied by James J. Collins. Cause, stove falling over. Members of Engine and Ladder No. 7 responded; used 1 pony extinguisher.

STILL. Thursday, November 30, 9.10 P. M. Chimney fire in cottage house, No. 257 Turner street, owned by Addie Rowe, and occupied by Hugh McCarthy. Squad A responded; used 1 pony extinguisher.

STILL. Friday, December 1, 7.30 A. M. An automobile at the corner of Bremer street and Coolidge avenue owned by William Marcotte. Cause, back-firing through carburettor. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

STILL. Monday, December 4, 6.30 A. M. Chimney fire in cottage house, No. 397 Merrimack street, owned and occupied by F. W. Blood. Members of Engine and Ladder No. 3 responded; used 1 pony extinguisher.

STILL. Monday, December 4, 3.23 P. M. City dump at corner of Maple and Auburn streets, on land of Amoskeag Manufacturing Co. Chemical engine responded. No services required.

STILL. Monday, December 4, 8.30 P. M. Chimney fire in three-and-one-half-story wooden block, No. 66 Concord street, owned by Mrs. Charles W. Brown, and occupied by John Jacobet and others. Members of chemical engine responded; used 1 pony extinguisher.

STILL. Wednesday, December 6, 12.30 night. Chimney fire in four-story brick block, No. 81 Manchester street, owned by Dennis F. O'Connor, and occupied by A. Lamore. Squad A responded; used 1 chemical tank.

STILL. Wednesday, December 6, 10 P. M. Chimney fire in dwelling, No. 47 Nashua street, owned by Donald McCloud, and occupied by William Ward. Members of Hose No. 2 responded; used 1 pony extinguisher.

Box 62. Thursday, December 7, 1.38 A. M. A three-story wooden flat, in process of construction, on Westland avenue, west of Boston & Maine railroad tracks, owned by Arthur Tomuschat of New York City. The building was entirely burned down before the arrival of the department. A small house nearby, owned by Joseph Rosenick, was nearly consumed. Cause unknown. Box pulled by Police Officer John F. Moran. Companies responding: Engines 4, 7, chemical, Hose 1, 3, Squad A, Trucks 3, 7.

	Tomuschat.	Rosinick.
Value of buildings	$5,500.00	$1,200.00
Damage to buildings	5,500.00	900.00
Insurance on buildings	5,500.0	900.00
Insurance paid on buildings	5,500.00	900.00

	Rosinick.
Value of contents	$800.00
Damage to contents	600.00
Insurance on contents	500.00
Insurance paid on contents	500.00

STILL. Thursday, December 7, 7.21 A. M. Cottage house on South River road, owned and occupied by William Vigneault. Slight fire on roof. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, December 7, 8.45 P. M. Telephone message received, saying: "A car is on fire down on the Nashua line." Squad A went "down the line" eleven miles, and upon meeting an electric car learned that no car was on fire. Later word came to the Central station that an automobile was on fire on the River road in Bedford, N. H. Delegation from the chemical engine company responded; used 2 pony extinguishers.

Box 82. Saturday, December 9, 10.35 P. M. Three-story brick building, No. 50 Bridge street, owned by Willis C. Patten, and occupied by Mrs. Katie D. Sullivan as a second-hand store. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 1, 4, 5, chemical, Hose 1, 2, Squad A, Trucks 1, 5. Value of building, $8,000; damage, $56.07; insurance, $5,000; insurance paid, $56.07. Value of contents, $700; damage, $150; insurance, $500; insurance paid, $150.

STILL. Thursday, December 14, 1.20 P. M. An automobile on Beech street owned by C. W. McKinley. Cause, back-fire through carburettor. Squad A responded.

STILL. Saturday, December 16, 2.45 P. M. Four-story brick block, No. 109 Nutfield lane, owned by the Harrington heirs and the Manchester Savings bank, and occupied by J. H. French & Co. as a lunch-room. Cause, grease in ventilating funnel over cooking range. Damage slight. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Sunday, December 17, 11 A. M. Chimney fire in two-and-one-half-story dwelling house, No. 396 Notre Dame avenue, owned by Patrick Fleming, and occupied by two families. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

Box 511. Sunday, December 17, 2.05 P. M. Chimney fire in two-and-one-half-story tenement block, No. 5 Barr street, owned by Fred G. Stark. Box pulled by citizen. Companies responding: Engines 2, 6, Squad A, Truck 6; used 1 pony extinguisher.

STILL. Monday, December 18, 11.20 A. M. Chimney fire in two-story dwelling house, No. 1855 Elm street, owned and occupied by Roswell W. Annis. Members of Engine and Ladder No. 5 responded. No services required.

STILL. Tuesday, December 19, 11.55 A. M. Chimney fire in two-story wooden tenement building, No. 155 Central street, owned by John Silveas of Boston, Mass., and occupied by Mrs. Martha Murphy. Squad A responded; used 1 chemical tank.

STILL. Tuesday, December 19, 3.14 P. M. Chimney fire in four-story brick tenement block, No. 1280 Elm street, owned by Edwin Kennedy and others, and occupied by Alexander Cody. Squad A responded; used 2 pony extinguishers and 1 chemical tank.

Box 14. Tuesday, December 19, 5.28 P. M. Cottage house, No. 136 Myrtle street, owned and occupied by Laurent Roy. Cause unknown. Box pulled by Arthur Lavigne. Companies responding: Engines 1, 5, chemical, Hose 1, 2, Truck 5. Value of building, $4,000; damage, $700; insurance, $4,500; insurance paid, $503. Value of contents, $1,000; damage, $150; insurance, $1,000; insurance paid, $144.

STILL. Wednesday, December 20, 7 A. M. Chimney fire in five-tenement block, No. 493 Maple street, owned by William Corey, and occupied by A. J. Drown and others. Hose No. 2 responded; used 2 pony extinguishers.

Box 313. Wednesday, December 20, 8.08 A. M. Four-story brick block, No. 170 McGregor street, owned by J. D. Lafond, and occupied by Wilfred Tardif. Cause, children playing with matches. Box pulled by John Paradis. Companies responding: Engines 2, 4, 6, Hose 1, Squad A, Trucks 1, 6.

STILL. Thursday, December 21, 10.40 A. M. Three-story wooden block, No. 453 North Main street, owned by F. C. Livingston, and occupied by O. F. Dubois as a grocery store. Cause, overheated chimney ignited woodwork. Damage slight. Members of Engine and Ladder No. 6 responded with hose wagon; used 1 pony extinguisher.

Box 261. Thursday, December 21, 1.18 P. M. Two-and-one-half-story dwelling house, No. 350 Pearl street, owned by Samuel G. Fletcher, and occupied by Alfred Mordecai and Joseph Moffie. Cause, plumbers working in bath-room. Box pulled by citizen. Companies responding: Engine 1, Hose 7, Combination 2, Squad A, Truck 3. Value of building, $2,500; damage, $30; insurance, $1,500; insurance paid, $30. No damage to contents.

Box 7. Thursday, December 21, 4.15 P. M. Two-story brick building, the Crown theater, No. 97 Hanover street, owned by James Reid, and occupied by Couture Bros. as a motion picture theater. Cause, dropping hot carbon on an inflammable film. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3. Value of building, $35,000; damage, $30; insurance, $4,000; insurance paid, $30. Value of contents, $1,500; damage, $350; insurance, $1,000; insurance paid, $350.

Box 241. Thursday, December 21, 4.45 P. M. False alarm. Glass broken by Teddy Hale and box pulled by Willie Merchant. Companies responding: Engine 3, Hose 2, Combination 2, Squad A, Truck 3.

STILL. Thursday, December 21, 8.20 P. M. Two-story wooden dwelling house, No. 404 Chestnut street, owned by the Elliot hospital, and occupied by A. V. Gillis. Slight fire in partition caused by overheated chimney. Squad A responded; used 1 chemical tank.

Box 21. Saturday, December 23, 6.52 P. M. Chimney fire in three-story wooden block, No. 286 Pine street, owned by Joseph Bruno, and occupied by Mrs. Josephine Drago. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 1, Squad A, Trucks 1, 3. No services required.

STILL. Saturday, December 23, 11.45 P. M. False alarm caused by a defect in the automatic water system in two-story brick block corner of West Cedar and Franklin streets, owned by C. C. Crafts, and occupied by the New Hampshire Heel Co. Squad A responded.

STILL. Sunday, December 24, 10.45 A. M. Chimney fire in cottage house, No. 737 Page street, owned and occupied by Michael Moher. Squad A responded; used 1 chemical tank.

STILL. Monday, December 25, 6.10 P. M. A waste-bin in rear of No. 32 Vine street, owned by the Stark corporation. Cause, hot ashes. Members of Hose No. 1 responded; used 1 pony extinguisher.

Box 513. Tuesday, December 26, 9.22 P. M. Two-story cottage house, No. 43 Charleston avenue, owned by C. A. Brooks and Mrs. Genevra Brock, and occupied by L. M. Seems. Cause, incendiary. Box pulled by citizen. Companies responding: Engines 2, 6, members of Squad A with Hose No. 1 wagon, Truck 6. Value of building, $2,800; damage, $1,200; insurance, $1,500; insurance paid, $1,099. Value of contents, $1,500; damage, $1,000; no insurance.

STILL. Wednesday, December 27, 5.30 P. M. Four-story brick block, No. 897 Elm street, owned by William H. Plumer, and occupied by L. P. Labonte and others. Cause, box of tobacco. Chemical engine responded. No services required.

STILL. Thursday, December 28, 9.20 A. M. Chimney fire in cottage house, No. 182 Wilson street, owned by the Pettigrew heirs, and occupied by Dr. J. R. Pepin. Members of Engine and Ladder No. 7 responded.

STILL. Thursday, December 28, 5.20 P. M. Three-story wooden block, No. 518 Maple street, owned by the estate of C. H. Carpenter of Chichester, N. H., and occupied by H. Olsen. Cause, overturned lamp. Hose 2 responded. No services required.

STILL. Thursday, December 28, 5.30 P. M. Chimney fire in four-story tenement block, No. 9 Washington block, Pearl street, owned by Charles C. Hayes, and occupied by N. Hebert. Squad A responded; used 1 pony extinguisher.

STILL. Thursday, December 28, 7.10 P. M. Chimney fire in four-story tenement block, No. 10 Washington block, Pearl street, owned by Charles C. Hayes, and occupied by Michael Maeck. Squad A responded; used 1 pony extinguisher and 1 chemical tank.

STILL. Thursday, December 28, 7.30 P. M. Chimney fire in two-and-one-half-story wooden tenement house, No. 115 Notre Dame avenue, owned by John Saches, and occupied by three families. Members of Engine No. 2 and Engine and Ladder No. 6 responded; used 3 pony extinguishers.

STILL. Thursday, December 28, 10 P. M. Chimney fire in two-and-one-half-story tenement house, No. 596 North Main street, owned by the Doctor Jackson heirs. Members of Engine and Ladder No. 6 responded; used 2 pony extinguishers.

STILL. Friday, December 29, 5.16 A. M. Grass fire on land of the

W. H. McElwain Co. in South Manchester, near the heel shop of that firm. Burned over about 2 acres. Hose No. 3 responded; used 1 pony extinguisher.

STILL. Friday, December 29, 1.45 P. M. Chimney fire in two-and-one-half-story dwelling, No. 542 Hevey street, owned and occupied by Nicholas Reid. Members of Engine and Ladder No. 6 responded; used 2 pony extinguishers.

Box 72. Friday, December 29, 6.54 P. M. Three-story dwelling, No. 347 Central street, owned by Catherine Driscoll, and occupied by Patrick Driscoll, H. A. Mulliken, and others. Cause unknown. Box pulled by citizen. Companies responding: Engines 1, 3, chemical, Hose 2, 3, Squad A, Truck 3. Value of building, $6,000; damage, $325; insurance $3,500; insurance paid, $325. Value of contents, $1,000; damage, $35; insurance, $900; insurance paid, $35.

STILL. Friday, December 29, 8.25 P. M. Chimney fire in three-story dwelling, No. 428 North Main street, owned and occupied by Emilie Paquette. Members of Engine and Ladder No. 6 responded with hose wagon; used 3 pony extinguishers.

Box 4. Saturday, December 30, 2.17 A. M. Three-story wooden block, No. 649 Elm street, leased by John T. Levasseur, and occupied by Feldman and Co. as a general furnishing store, and Costas Cocabes, upstairs, as a tailor shop. Cause, defective chimney. Box pulled by Police Officer Adler. Companies responding: Engines 1, 3, chemical, Hose 1, 3, Squad A, Trucks 1, 3. Extinguished with chemicals. Value of building, $8,000; damage, $412; insurance, $7,-500; insurance paid, $397.50. Value of contents, $5,000; damage, $2,-000; insurance, $3,000; insurance paid, $2,000.

STILL. Saturday, December 30, 7.30 P. M. Ash-barrel in rear of cottage house, No. 239 Bridge street, occupied by F. St. John. Members of Hose No. 2 responded. No services required.

STILL. Sunday, December 31, 6.40 P. M. Chimney fire in three-story wooden block, Nos. 102-106 McGregor street, owned by Edward M. James, and occupied by Christopher Schricker and others. Members of Engine and Ladder No. 6 responded; used 4 pony extinguishers.

STILL. Sunday, December 31, 7 P. M. Chimney fire in cottage house, No. 400 Dubuque street, owned and occupied by John Martin. Members of Engine and Ladder No. 6 responded; used 1 pony extinguisher.

Box 52. Sunday, December 31, 8.09 P. M. Two-story wooden building, No. 23 North Main street, owned by Mrs. Francis Woodbury, and occupied by Abe Perolman as a tailor shop and tenement. Cause unknown. Extinguished with chemicals. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Squad A, Truck 6. Value of building, $1,000; damage, $150; insurance, $5,000; insurance paid, $150. Value of contents, $1,500; damage, $300; insurance, $600; insurance paid, $250.

Number of Alarms by Months.

	Bell.	Still.	Total.
January	15	52	67
February	9	23	32
March	7	26	33
April	13	91	104
May	6	53	59
June	5	17	22
July	14	47	61
August	4	8	12
September	11	8	19
October	7	12	19
November	7	22	29
December	13	33	46
	111	392	503

COMPANIES RESPONDING.

Months.	Engines.							Chemical.	Hose.			Comb't'n 2.	Squad A.	Trucks.				
	1	2	3	4	5	6	7		1	2	3			1	3	5	6	7
January	8	5	7	10	5	3	1	0	14	6	4	1	47	13	7	5	3	0
February	4	1	5	6	2	1	0	0	8	6	1	4	21	5	5	2	1	0
March	2	2	3	3	2	2	2	6	4	5	1	2	25	3	3	2	2	0
April	9	1	6	6	4	1	3	2	11	4	16	4	45	10	7	3	1	0
May	4	1	2	1	1	1	1	4	4	1	6	0	35	2	3	1	1	0
June	3	1	4	2	0	0	1	5	4	1	4	1	13	5	5	0	0	0
July	6	3	6	2	3	4	1	9	6	6	7	1	36	2	6	2	3	0
August	2	1	2	1	1	0	1	3	3	2	1	1	9	1	2	1	1	0
September	2	4	6	4	1	3	1	4	6	3	3	3	17	2	6	1	4	0
October	5	2	3	2	2	2	0	5	7	3	2	0	17	2	3	3	2	0
November	3	2	5	2	0	1	2	6	5	3	1	3	19	3	6	1	1	2
December	7	4	5	3	2	4	1	9	10	7	4	2	24	5	7	2	4	1
Totals	55	27	54	42	23	22	14	53	82	47	50	22	308	53	60	23	23	3

Estimated Value of Property.

Engine No. 1.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	$4,000.00
1 one-horse wagon	400.00
3 horses for steamer	775.00
1 gray horse for hose wagon	200.00
4 swinging harnesses	200.00
1 pair double exercise harnesses	50.00
1 single exercise harness	40.00
2,400 feet of fabric hose	1,080.00
Stable fixtures, blankets, etc	80.00
Tools, furniture, and fixtures	200.00
Firemen's suits and badges	125.00
Total amount	$7,150.00

Engine No. 2.

LOCATED ON NORTH MAIN STREET, 'SQUOG.

1 second-size Amoskeag steamer	$4,000.00
1 combination chemical and hose wagon	1,700.00
1 exercise wagon, poles, shafts, and three-horse hitch	250.00
3 horses for steamer	600.00
1 pair horses for hose wagon	400.00
3 exercise harnesses, 2 at $40, 1 at $20	100.00
5 swinging harnesses	250.00
1 double sled	60.00
2,200 feet of fabric hose	990.00
Stable fixtures and blankets	94.00
Furniture, fixtures, carpets, etc	466.00
Firemen's suits and badges	125.00
Total amount	$9,035.00

Engine and Ladder No. 3.

LOCATED ON LAKE AVENUE, CORNER MASSABESIC STREET.

1 first-size Amoskeag steamer	$4,750.00
1 two-horse hose wagon	400.00
1 three-horse truck and equipments	1,900.00
3 horses for steamer	550.00
1 pair bay horses for hose wagon	400.00

3 horses for truck	$600.00
4 exercise harnesses	180.00
8 swinging harnesses	400.00
2,600 feet of fabric hose	1,170.00
Stable fixtures, blankets, etc	80.00
Beds, bedding, carpets, hall furniture, etc	575.00
Firemen's suits and badges	150.00
1 exercise wagon	250.00
Total amount	$11,405.00

Engine No. 4.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	$4,200.00
1 hose wagon	400.00
3 horses for steamer	600.00
1 horse for wagon	150.00
4 exercise harnesses	60.00
4 swinging harnesses	200.00
2,000 feet of fabric hose	900.00
Hall furniture, beds, bedding, etc	275.00
Stable fixtures and blankets	75.00
Firemen's suits and badges	125.00
Total amount	$6,985.00

Engine and Ladder No. 5.

LOCATED ON WEBSTER STREET, CORNER CHESTNUT.

1 third-size Amoskeag steamer	$3,600.00
1 two-horse rubber-tired hose wagon	760.00
1 steel frame ladder truck	1,650.00
1 pair bay horses for steamer	400.00
1 pair bay horses for truck	400.00
1 pair horses for hose wagon	525.00
1 exercise wagon	325.00
1 double sled	50.00
1 single sled	25.00
6 swinging harnesses	300.00
2 pairs exercise harnesses	100.00
2,900 feet of fabric hose	1,350.00
Bedding, furniture, tools, etc	307.00
Stable fixtures, blankets, etc	120.00
Firemen's suits, badges, etc	150.00
Total amount	$10,620.00

Engine and Ladder No. 6.

LOCATED AT CORNER AMORY AND RIMMON STREETS.

1 second-size Amoskeag steamer	$3,500.00
1 hook-and-ladder truck (with Bangor extension)	1,680.00
1 two-horse rubber-tired hose wagon	760.00
1 exercise wagon	290.00
2 gray horses for steamer	300.00
2 bay horses for truck	267.00
2 horses for hose carriage	450.00
6 swinging harnesses	300.00
2,100 feet of fabric hose	990.00
Hall furniture, carpets, beds, bedding, etc.	475.00
Stable fixtures, blankets, etc.	85.00
Firemen's suits and badges	150.00
Total amount	$9,247.00

Engine and Ladder No. 7.

LOCATED ON SOMERVILLE STREET.

1 second-size Amoskeag steamer	$3,500.00
1 hook-and-ladder truck, rubber tired	2,250.00
1 two-horse rubber-tired hose wagon	760.00
1 exercise wagon	325.00
3 horses for steamer	850.00
2 horses for truck	650.00
2 horses for hose wagon	575.00
7 swinging harnesses	350.00
2,400 feet of fabric hose	1,080.00
Furniture, fixtures, etc.	575.00
Stable fixtures, blankets, etc.	90.00
Firemen's suits and badges	150.00
Total amount	$11,155.00

Hose No. 1.

LOCATED ON VINE STREET.

1 two-horse rubber-tired hose wagon and wagon gun	$850.00
2 horses	600.00
2 swinging harnesses	100.00
1 set Hobbs' runners	90.00
1 hose sled	20.00

2,200 feet of fabric hose	$990.00
Furniture, fixtures, beds, bedding, etc.	300.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	100.00
Total amount	$3,010.00

Hose No. 2.

LOCATED ON MAPLE STREET, CORNER OF EAST HIGH.

1 two-horse hose wagon, rubber-tired	$750.00
2 bay horses	500.00
2 swinging harnesses	100.00
1 exercise wagon	325.00
2,150 feet of fabric hose	967.50
Furniture, fixtures, beds, and beddings	150.00
Firemen's suits and badges	100.00
Total amount	$2,892.50

Hose No. 3.

LOCATED ON SOUTH ELM STREET, BAKERSVILLE.

1 combination hose wagon, rubber-tired (with ladders)	$1,000.00
1 pair gray horses	100.00
1 pair swinging harnesses	100.00
1 pair exercise harnesses	50.00
1 exercise wagon	260.00
2,200 feet of fabric hose	990.00
Furniture, fixtures, bedding, etc.	85.00
Stable fixtures, blankets, etc.	65.00
Firemen's suits and badges	80.00
Total amount	$2,730.00

Combination Hose and Chemical No. 2.

LOCATED ON WESTON STREET, CORNER OF CONCORD.

1 combination chemical and hose wagon	$1,700.00
2 bay horses	550.00
2 swinging harnesses	100.00
1 exercise wagon	250.00
1,800 feet of fabric hose	810.00

Furniture, fixtures, bedding, etc	$482.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	80.00
Total amount	$4,022.00

Hook and Ladder Company No. 1.

LOCATED ON VINE STREET.

1 aërial ladder truck, rubber-tired, pneumatic hoist	$6,700.00
3 horses	600.00
3 exercise harnesses	75.00
3 swinging harnesses	150.00
3 rubber blanket covers	72.00
Furniture and fixtures	200.00
Beds, bedding, and furniture	75.00
Stable fixtures and blankets	60.00
Firemen's suits and badges	150.00
Total amount	$8,082.00

Chemical Engine No. 1.

LOCATED ON VINE STREET.

1 double tank (60 gallons each) engine, rubber-tired	$2,500.00
1 pair bay horses	500.00
1 pair exercise harnesses	50.00
1 pair swinging harnesses	100.00
Furniture and fixtures	100.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	35.00
Total amount	$3,335.00

Squad A, Auto-Combination.

LOCATED ON VINE STREET.

Automobile combination wagon	$5,500.00
600 feet fabric hose	270.00
Firemen's "fire" suits and badges	80.00
2 extra rubber tires	200.00
Beds, bedding, and furniture	250.00
Total amount	$6,300.00

Supply Wagon.

1 supply wagon, with coal boxes	$250.00

Exercise Wagon.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled exercise wagon with pole, shafts, three-horse hitch, and coal boxes	$250.00

Spare Hose Carriage and Hose.

1 one-horse hose carriage (spare)	$150.00
3,000 feet old hose for relining	600.00
500 feet new hose	375.00
Total amount	$1,125.00

E. W. Harrington Steam Fire Engine.

STORED AT SHEDS OF ENGINE NO. 2.

Old U tank Amoskeag engine (worth for exchange)	$200.00

Engineer's Department.

1 bay horse	$325.00
1 chief's wagon	275.00
1 swinging harness	37.00
5 engineers' white rubber coats	37.50
5 engineers' lanterns	20.00
Blanket, robe, etc.	25.00
Furniture and fixtures	150.00
Total amount	$869.50

Riverside Hose Company No. 5.

LOCATED AT CORNER OF OLD FALLS ROAD AND FRONT STREET.

1 four-wheeled hose carriage	$150.00
400 feet of leather hose	100.00
800 feet of fabric hose	240.00
2 hose-pipes, spanners, etc.	40.00
Furniture and fixtures	10.00
Total amount	$640.00

Hallsville Hose Company No. 6.

LOCATED AT CORNER OF MAMMOTH ROAD AND MASSABESIC STREET.

1 four-wheeled hose carriage	$200.00
500 feet of fabric hose	150.00
Nozzle, wrenches, etc.	15.00
Total amount	$365.00

Goffe's Falls Hose Carriage.

LOCATED AT DEVONSHIRE MILLS.

1 one-horse hose carriage	$200.00
800 feet fabric hose	576.00
2 hosepipes	10.00
Total amount	$786.00

Sleeping Hall.

AT CENTRAL STATION, VINE STREET.

Beds, bedding, wardrobe, etc.	$100.00

Extra Horses.

1 light bay	$300.00
1 black horse	300.00
1 gray horse	150.00
Total amount	$750.00

Fire Alarm Telegraph.

At cost, including additions	$23,550.00
Remodeling in 1885	6,000.00
"Individual tapper" system	4,000.00
Boxes and wire added in 1907	1,000.00
Storage battery	1,850.00
Switch protector board	175.00
Wire brackets and tools	400.00
Boxes and wire added in 1908-09-11	1,150.00
New combination gongs and indicators	1,000.00
Repair wagon	150.00
Total amount	$39,475.00

Recapitulation.

Engine Company No. 1	$7,150.00
Engine Company No. 2	9,035.00
Engine and Ladder Company No. 3	11,405.00
Engine Company No. 4	6,985.00
Engine and Ladder Company No. 5	10,620.00
Engine and Ladder Company No. 6	9,247.00
Engine and Ladder Company No. 7	11,155.00
Hose Company No. 1	3,010.00
Hose Company No. 2	2,892.50
Hose Company No. 3	2,730.00
Combination Company No. 2	4,022.00
Hook and Ladder Company No. 1	8,082.00
Chemical Engine Company No. 1	3,335.00
Automobile Combination, Squad A	6,300.00
Supply Wagon (Central Station)	250.00
Exercise Wagon (Central Station)	250.00
Spare Hose Carriage and Hose	1,125.00
Old Steamer E. W. H.	200.00
Engineer's Department	869.50
Riverside Hose Company	640.00
Hallsville Hose Company	365.00
Goffe's Falls Hose Company	786.00
Sleeping Hall (Central Station)	100.00
Extra horses	750.00
Fire-alarm telegraph	39,475.00
	$140,779.00

BOARD OF ENGINEERS.

Badge No.	Name.	Rank.	Occupation.	Residence.
1	Thomas W. Lane	Chief	Chief engineer	1937 Elm.
3	Arthur Provost	Assistant	Merchant	526 Notre Dame av
4	Thomas F. Fitzsimmons	"	Painter	258 Notre Dame av
5	Edwin W. Merrill	"	Merchant	166 Blodget.
2	John F. Seaward	"	Contractor	27 Warren.

SUPERINTENDENT OF FIRE ALARM.

Charles H. French. Residence, 475 Hanover Street.

ENGINE COMPANY No. 1.

House, 28 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
18	George A. Cann	Captain	Permanent Capt.	96 Brook.
15	George F. Millar	Lieutenant	Salesman	15 Blodget.
19	Nat A. Sargent	Clerk	Merchant	435 Amherst.
6	Charles F. Hall	Engineer	Engineer	146 Orange.
7	George W. Booth	Asst. engineer	Secondhand	21 Water.
11	Frank E. Nute	Driver engine	Teamster	425 Merrimack.
12	Clarence E. Kemp	Driver hose	"	645 Union.
17	Melvin Walker	Hoseman	Carpenter	6 Canal.
10	Stanley H. Patten	"	Tinsmith	1263 Elm.
13	George E. Bolton	"	Gardener	753 Union.
16	Harry E. Belknap	"	Carpenter	530 Wilson.

ENGINE COMPANY No. 2.

House on North Main Street, 'Squog.

Badge No.	Name.	Rank.	Occupation.	Residence.
76	Jeremiah Lane	Captain	Permanent Capt.	210 No. Main.
77	William Arnold	Lieutenant	Barber.	17 So. Main.
67	Archibald A. Gorham	Clerk	Machinist	50 Barr.
120	Charles Edgar	Engineer	Permanent	40 Market.
119	Stephen Thomes	Asst. engineer	Carpenter	55 Douglas.
72	Thomas F. Collins	Driver of engine	Permanent	28 Second.
69	Clarence A. Whitcomb.	Driv. combin't'n	"	66 No. Main.
68	James E. Perrigo	Hoseman	Foreman	66 School.
71	John W. Gott	"	Wool-sorter	53 Douglas.
75	Ernest R. Whitcomb	"	Wool-sorter	66 No. Main.
74	Oscar G. Lagerquist	"	Clerk	37 Green.

ENGINE AND LADDER COMPANY No. 3.

House on Lake Avenue, corner of Massabesic.

Badge No.	Name.	Rank.	Occupation.	Residence.
86	Frank F. Porter	Captain	Fireman	330 Spruce.
97	Edwin C. Paul	Lieut. of truck	Collector	450 Lake ave.
150	William T. Winslow	" engine	Shoe-cutter	395 Lake ave.
88	George Taylor	Clerk	Clerk	456 Lake ave.
122	John P. Walker	Engineer	Engineer	570 Cedar.
78	Leslie W. Dolloff	Asst. engineer	Clerk	427 Central.
82	Lyman W. Piper	Driver of truck	Teamster	398 Merrimack.
105	Herbert E. Dunbar	Driver of engine	"	366 Lake ave.
81	John T. Duncan	Driver of hose	"	386 Spruce.
89	Parker R. Brown	Fireman	Salesman	422 Merrimack.
85	Fred H. Cate	"	Teamster	601 Cedar.
121	Arthur S. Brown	"	Merchant	291 Myrtle.
84	George L. Slack	"	Salesman	141 Massabesic.
98	William B. Blake	"	Health inspector	265 Cypress.
79	Harry J. Smith	"	Shoe-maker	382 Lake ave.
43	Frank C. Curtis	"	Laundryman	461 Lake ave.
114	Charles H. Day	"	Merchant	522 Central.
148	Archer L. Thomas	"	Painter	285 Central.
87	William Knee	"	Electrician	455 Central.
80	William Rountry	"	Shoe-maker	4 Woodman ave.

ENGINE COMPANY No. 4.

House, No. 20 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
28	Frank A. Pherson	Captain	Permanent Capt.	20 Vine.
33	Thomas W. Lane, Jr	Lieutenant	Electrician	20 Malvern.
32	Jesse L. Perkins	Clerk	Hotel-keeper	121 Hanover.
21	Walter Morse	Engineer	Permanent	20 Vine.
27	Edward Sargent	Asst. Engineer	Machinist	73 Amherst.
31	Emil H. Smith	Driver of engine	Permanent	20 Vine.
37	Henry C. Parsons	Driver of hose	"	20 Vine.
24	Adams L. Greer	Hoseman	Piano Dealer	76 Lowell.
20	Harry L. Hawley	"	Painter	599 Union.
25	Fred A. Burnham	"	Meter-man	306 Laurel.
26	Harold A. Sayward	"	Steam-fitter	658 Union.

ENGINE AND LADDER COMPANY No. 5.

House, No. 44 Webster Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
161	Irving S. Bryant.	Captain.....	Permanent Captain	884 Union.
46	Woodbury Davison.....	Lieut. truck	Carpenter	34 Prospect.
49	Charles W. Brown	Lieut. engine.....	Clerk	95 Harrison.
108	Edwin L. Towle.....	Clerk	Salesman.....	71 N. Adams.
102	Joseph H. Gould.....	Engineer	Permanent.....	762 Beech.
30	James C. Newton.... ...	Asst. engineer....	Machinist	93 Blodget.
134	Alphonso E. Foster.....	Driver engine....	Teamster.....	459 Hevey.
124	Benjamin C. Cann	Driver truck.....	"	19 Pleasant.
57	Ellsworth V. Rowe.....	Driver hose.....	"	313 Walnut.
158	Andrew S. Fantom.....	Hoseman.....	Cigar-maker.....	167 Brook.
101	Charles W. Warner.....	"	Electrician	75 Sagamore.
195	Carl B. Thurber....	"	Rubber Stamp Mfr.	72 No. Adams.
41	Max Hawkins.....	"	Grocer	44 Webster.
159	Charles E. Longa.....	"	Electrician.....	10 N. Adams.
160	Maurice Hoffman.....	"	Tailor.....	321 Walnut.
42	Arthur S. Hamilton.....	"	Painter.....	60 Appleton.
95	William W. Cupples.....	"	Clerk.....	54 Appleton.
47	Wilbur M. Gilman	"	Piper.....	30 Brook.
123	George W. Upton.... ...	"	Electrician	297 Walnut.
162	George A. Whitten	"	Clerk.	54 Appleton.

ENGINE AND LADDER COMPANY No. 6.

House on Amory and Rimmon Streets.

Badge No.	Name.	Rank.	Occupation.	Residence.
141	Mederique R. Maynard.	Captain..... ...	Permanent Capt ..	302 Cartier.
147	James A. Farley.....	Lieut. engine ...	Machinist	385 Dubuque.
146	Toussaint Tremblay	Lieut. truck	Carpenter.....	143 Wayne.
137	John W. Lyons.....	Clerk	Loom-fixer	17 Columbus.
132	Toby Lemay	Engineer	Machinist	464 Cartier.
135	Patrick J. O'Connell....	Asst. Engineer ..	Painter	334 No. Main.
125	Celon D. Stevens.....	Driver of engine	Teamster	Engine-house.
140	John H. Cote.....	Driver hose.....	"	"
142	Frank St. John..... ..	Driver truck	"	"
128	John H. McCabe.....	Hoseman	Plumber.	310 No. Main.
130	Calvin Brinn.....	"	Loom-fixer.....	356 Rimmon.
136	Roumelt Cote	"	Plumber	291 Dubuque.
143	William Broderick.....	"	Loom-fixer.....	513 Rimmon.
144	John Montplaisir.....	"	Clerk	462 Dubuque.
129	Philip Cote	"	Baker.....	335 Dubuque.
133	Francois X. Gagne	"	Contractor.....	291 Bartlett.
138	John A. Gemmel	"	Clerk	27 Quincy.
131	Arthur Pelletier.....	"	Carpenter	437 Rimmon.
145	Joseph St. Germain.....	"	Truckman.....	377 Rimmon.
139	Charles Caron	"	Clerk..... ...	402 Rimmon.

ENGINE AND LADDER COMPANY No. 7.

House, Somerville Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
170	James J. Collins	Captain	Permanent Capt.	767 Somerville.
171	John W. Chapman	Lieut. engine	Plumber	890 Clay.
172	Henry W. Barnard	Lieut. truck	Carpenter	213 Jewett.
173	Franklin P. Cleveland	Clerk	Woodworker	726 Somerville.
174	Fred S. Morrill	Engineer	Permanent	136 Hall
175	Louis Ross	Asst. Engineer	Plumber	746 Hayward.
176	Arthur Hebert	Driver engine	Permanent	645 Somerville.
177	George N. Rogers	Driver hose	"	173 Taylor.
178	Percy L. Nute	Driver truck	"	425 Merrimack.
179	Charles J. Beliveau	Truckman	Janitor	931 Hayward.
180	Albert L. Worthen	Hoseman	Plumber	1005 Cilley road.
181	James S. Long	Truckman	Dresser	247 Grove.
182	Harry R. Bennett	Hoseman	Boxmaker	881 Somerville.
183	Harold E. Wheeler	"	Shoemaker	821 Dix.
187	John W. Clark	Truckman	Gasfitter	1090 Cilley road.
188	William L. Gray	"	Dresser	75 Prout ave.
189	Henry F. O'Malley	"	Plumber	153 Belmont.
190	Ephraem Gendron	"	Teamster	574 Silver.
191	John Knight	Hoseman	Laborer	761 Somerville.

CHEMICAL ENGINE COMPANY No. 1.

House, No. 8 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
115	Hervey E. Harris	Captain	Permanent Captain	100 Brook
116	Clarence D. Palmer	Clerk	Marble dealer	537 Union.
185	Robert H. Duncan	Driver	Permanent	152 Pearl.
103	Albert M. Tuson	Fireman	"	58 Blodget.
117	Carroll A. Currier	"	Meter-man	390 Hanover.

HOSE COMPANY No. 1.

House, No. 26 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
64	Melvin W. Worthen	Captain	Permanent Capt.	26 Vine.
36	Alfred Firth	Lieutenant	Engineer	4 Derry.
53	Leon H. French	Clerk	Electrician	10 W. Brook.
29	Charles H. Rogers	Driver	Teamster	26 Vine.
48	Albert A. Puffer	Hoseman	"	499 Beech.
34	Harry Barrett	"	Machinist	26 Vine.
50	Charles H. Skinner	"	Car Inspector	84 Ashland.
52	George O. Harvey	"	Carpenter	2 Canal.

HOSE COMPANY No. 2.

House on Maple Street, corner East High.

Badge No.	Name.	Rank.	Occupation.	Residence.
111	Roscoe Dyer	Captain	Permanent Capt.	525 Maple.
55	Revilo G. Houghton	Lieutenant	Gas-fitter	337 Lowell.
54	Thomas P. Burnap	Clerk	Carpenter	80 Arlington.
57	Benjamin R. Richardson	Driver	Teamster	525 Maple.
58	Thomas Smith	Hoseman	Carpenter	25 South.
56	Fred W. Corey	"	Needle-maker	497 Maple.
65	Walter Seaward	"	Carpenter	54 Arlington.
59	Frank G. Miller	"	Gas-fitter	246 E. High.

HOSE COMPANY No. 3.

House, South Elm Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
51	Clarence R. Merrill	Captain	Permanent Capt.	414 Merrimack
157	Frank D. Hardy	Lieutenant	Trainman	34 Elm ave.
156	Ernest E. Austin	Clerk	Electrician	43 Welch ave.
152	Frank W. Tebbetts	Driver	Permanent	7 Elm.
154	William P. Hall	Hoseman	Sash-maker	39 Elm.
153	James H. McKenzie	"	"	72 Elm.
151	Forrest M. Laraba	"	Laundryman	72 Elm.
155	William E. Geer	"	"	20 Cheney pl.

COMBINATION COMPANY No. 2.

House, corner Weston and Concord Streets, Wilson Hill.

Badge No.	Name.	Rank.	Occupation.	Residence.
164	Alfred Gustafson	Captain	Permanent Capt.	Concord and [Weston.
166	Joseph W. Lindsay	Lieutenant	Tinsmith	333 Pearl.
127	Michael J. Bradley	Clerk	Gasfitter	125 Ashland.
167	Henry C. Crosby	Driver	Teamster	465 E. High.
168	Angus McDonald	Hoseman	Blacksmith	427 Laurel.
40	William G. Anderson	"	Mill operative	465 E. High.
169	Gardner E. Marston	"	Plumber	3 Morrison.
165	Thomas A. Reed	"	Painter	699 Beacon.
44	Albert W. Tucker	Driv. sup'ly wag.	Teamster	18 Brown ave.

FLYING SQUADRON, COMPANY A.

House, No. 12 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
14	Frank H. Harvey	Captain	Permanent Capt.	359 Concord.
96	Edwin E. Quimby	Lieutenant	"	286 Laurel.
187	John J. Healy	Clerk	"	336 Lake ave.
99	Will G. Fraser	Hoseman	"	609 Beech
188	Martin F. Kenney	"	"	632 Main.
35	Louis Loiselle	"	"	45 Myrtle.
90	Harry G. Hall	"	"	885 Elm.
184	Arthur J. Provost	"	"	516 Notre Dame [ave.

HOOK AND LADDER COMPANY No. 1.

House, No. 18 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
110	Albert W. Smith	Captain.	Permanent Captain	42 Elm.
92	Oscar P. Stone	Lieutenant	Clerk	312 Manchester.
112	Frank M. Frisselle	Clerk	Editor	45 Sagamore.
94	Asa W. Gage	Driver	Teamster	18 Vine.
118	Lorenzo D. H. Ford	Tillerman	"	275 Bridge.
100	William P. Jones	Fireman	Steam-fitter	415 Lake av.
113	Lewis Swanson	"	Carpenter	42 Water.
106	Ernest E. Johnson	"	Gas employee	316 Walnut.
109	Frederick Marsh	"	Carpenter.	7 Water.
91	Alfred C. Lamper	"	Gas employee	52 Jane.
107	Charles H. Burhart	"	Steam-fitter	18 Vine.
104	Algernon B. Skinner	"	Clerk	86 Hanover.

PERMANENT RELIEF MEN.

Badge No.	Name.	Companies.	Residence.
126	Edwin M. Dorney.....	Engine 1, Hose 1 and Truck 1.....	254 Walnut.
194	Clarence J. Dolloff	Hose 3, Chemical 1 and Engine 4....	164 Calef road.
193	Clarence Hackett.....	Eng. and Lad. 3, Eng. and Lad. 7....	345 Belmont.
196	William L. Comire.....	Engine 2 and Engine and Ladder 6.	422 Cartier.
93	Joseph Stuart.....	Eng. and Lad. 5, Hose 2, Comb. 2....	755 Beech.

REPORT

OF THE

TRUSTEES OF THE CITY LIBRARY.

MANCHESTER CITY LIBRARY, 1911.

Trustees.

Edward C. Smith, *Mayor, ex officio.*
Ernest A. Bournival, *President of the Common Council, ex officio.*

Roger G. Sullivan.	Term expires 1912.
Walter M. Parker.	Term expires 1913.
Herman F. Straw.	Term expires 1914.
Edwin F. Jones.	Term expires 1915.
Frank P. Carpenter.	Term expires 1916.
William P. Farmer.	Term expires 1917.
Henry W. Boutwell.	Term expires 1918.

Officers.

PRESIDENT, *ex officio.*

Edward C. Smith.

CLERK AND TREASURER.

Edwin F. Jones.

Librarian.

F. Mabel Winchell.

Assistants.

E. Louise Newell.[1]
Charles S. Morgan.[2]
Albro P. Reed.[3]
Carlton F. Hamer.[3]
Ruth H. Bartlett.
Caroline B. Clement.
Una Vincent.
Sarah C. Aiken.[4]
Margaret I. Grant.
Florence H. Butterick.[5]
Clara G. Wilson.[6]
Maria F. Kidder.[7]
Clayton V. McLean.[8]
Rachel Flint.[9]
Max McConachie.[10]
Ruth C. Dudley.[11]

JANITOR.

Gustav Hecker.

Library Hours.

9 A. M. to 9 P. M. Sundays (for reading and reference), 11 A. M. to 5 P. M.

NOTE.—Previous to October 1 the hours were 10 A. M. to 8 P. M.; Saturdays till 9 P. M.

[1] Died February 6.
[2] Sundays only.
[3] Resigned June 10. Reappointed September 25
[4] Resigned June 17.
[5] Resigned May 27.
[6] From February 27.
[7] From March 13.
[8] From June 24.
[9] From July 10.
[10] From July 24.
[11] From September 25.

REPORT OF THE TRUSTEES OF THE CITY LIBRARY.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—In behalf of the trustees of the City Library I submit the report of the librarian as and for the report of the trustees for the year 1911. In it are stated fully all the matters of ordinary detail and unusual interest and it clearly shows that the public money spent in the maintenance of the library is a wise and satisfactory investment.

With longer working hours, the use of the library has increased, more help has been required, and yet the actual cost of operation is but little larger. The bright prospect of a new and modern building in the near future opened by the generous proposal of Mr. Frank P. Carpenter is cheering to every friend of the library, and encourages the hope that the promotion of literary culture and the widening of the general knowledge of the community will be enhanced by a still more extensive use of this valuable public institution.

EDWIN F. JONES,
Clerk of the Trustees.

LIBRARIAN'S REPORT.

To the Trustees of the City Library, Manchester, N. H.:

GENTLEMEN:—Herewith is presented the fifty-eighth annual report of the City Library for the year ending December 31, 1911.

This year has been marked by several noteworthy occurrences. One of these was the lengthening of the library hours. Another was the campaign led by the Civic Committee of the Manchester Federation of Women's Clubs to obtain an appropriation of $5,000 for an addition to the present building, to be used as a children's room. A third and most remarkable event was the announcement made in November that Mr. Frank P. Carpenter for many years one of the trustees, intends to build and give to the city a new library building. For years the present edifice has been so inadequate to the needs of the institution that the prospect of a fine, up-to-date structure with modern equipment and plenty of room seems like a heavenly vision. While we rejoice in this prospect we regret that the uncomfortable conditions which were to have been ameliorated by the addition referred to above must continue for several years. Though the appropriation of $5,000 for the children's room was made by the city, it was thought best not to use it on account of the limited time during which the room would be needed.

Noteworthy events

In the last report a number of ways were mentioned by which the activities and usefulness of the library might be increased. The first of these suggestions, that of lengthened hours, has already been put into effect. Beginning with the first of October the library has been open from 9 A. M. to 9 P. M. each week day instead of from 10 A. M. to 8 P. M. This change has met with very general favor and the added evening hour especially has been an advantage to many readers. The extra hour in the morning also has been used by readers but still more by those wishing to return and borrow books, to whom it has proved a great accommodation.

Longer hours

One other step forward has been taken this year. We have long desired and needed an attendant in the reading room. The extra assistant granted on account of the longer hours has made it possible to arrange to have someone on duty there during the busy hours. It was November when this improvement was made, but though the time has been so short beneficial results are already apparent. It is hoped that 1912 will see several more of the suggested improvements put into practice.

Reading room

The records this year have kept up to the high-water mark of last year, and indeed have gone somewhat above it. In the accession of books, however, this is not true, for the number of books added is considerably less than that of last year. The reason for this is two-fold. First, the larger number of assistants and the growth of the library have made greater demands upon the general appropriation and consequently left very little of it for books. Second, a number of valuable and costly books, especially works of reference which have long been needed, were purchased this year. Among these are the following:—

Circulation and accessions

Evans. American bibliography.
Fluegel. Allgemeines englisch-deutsches und deutsch-englisches wörterbuch.
Hastings. Encyclopaedia of religion and ethics.
Monroe. Cyclopedia of education.
Spon. Spon's encyclopaedia of industrial arts, etc.
Strong. Exhaustive concordance of the Bible.
Vapereau. Dictionnaire universel des contemporains.
Webb. New dictionary of statistics; a complement to Mulhall.
Audsley. Art of organ-building.
Brinkley. Japan.
Champneys. Irish ecclesiastical architecture.
Hatton. Craftsman's plant-book.
Michel. Great masters of landscape painting.
Michel. Rembrandt Harmensz van Rijn.
Pennell. Life of James McNeill Whistler.
Symonds. Social caricature in the eighteenth century.
Tissot. Old Testament.
Turner. Fac-similes of thirty-three etchings by Turner for the plates of the Liber studiorum.
Vedder. Digressions of V.

Appalachia. 11 volumes.
British quarterly review. 83 volumes.
Nation. 45 volumes.
National municipal league. 6 volumes.

Budge. Egyptian Sudan.
Farrand. Records of the Federal Convention of 1787.
Little. Genealogical and family history of the state of Maine.
Neeser. Statistical and chronological history of the United States navy, 1775-1907.
Varick court of inquiry, edited by Albert Bushnell Hart.
Wagner. My life, by Richard Wagner.
Welles. Diary of Gideon Welles.
A good collection of the A. and C. Black color books.

Throughout the year, with the exception of the summer months, annotated book lists have appeared weekly in the local papers instead of monthly, as formerly. These lists are of great use to those who desire to keep in touch with the latest additions, especially to such of our patrons as are unable to come to the library and are consequently obliged to send for their books. A bulletin issued by the library, in convenient shape to be kept on file, is much to be desired.

Book lists

For the first time in the history of the library it is necessary to record the death of a member of the staff. Miss E. Louise Newell, who had given faithful service in the library for seventeen years, died on February 6 after a very brief illness. She finished her work on Saturday afternoon apparently as well as usual. Before time to return on Monday morning her life work was over. She will long be missed by those who depended upon her for their selection of reading, and by many who were wont to call upon her for reference work. Her tireless zeal in hunting out some elusive bit of information rarely went unrewarded. Her knowledge of the books and pamphlets in the library, gained through her long period of service, linked with a retentive memory, made her especially valuable in this line of work. It was she, too, who helped to make the library attractive by her collection of plants and flowers.

Staff

Miss Butterick, who came to us in November, 1910, as cataloger, received the offer of a better-paying position in the Holyoke (Mass.) library and consequently left us the latter part of May. We cannot expect to keep workers after they become proficient while other libraries pay larger salaries, have shorter hours, and give longer vacations than we do. One step in the right direction was taken last summer when a weekly half-holiday was granted the assistants. It has been the custom for the employees at the city hall to have a half-holiday each week from the middle of April to the first of November, though the hours required per week, even during the winter, are less than at the library. The assistants have very much appreciated this privilege, and we believe the library will not be the loser by it.

Half holiday

One other assistant, Miss Aiken, left during the year on account of ill health.

To fill the vacancies thus created, and also two which remained unfilled from resignations of last year, the following persons were appointed: Miss Clara G. Wilson, Miss Maria F. Kidder, Miss Rachel Flint, Clayton V. McLean, and Max McConachie. The last two named are high school boys, who work a few hours each week-day and all day on Saturday. Miss Flint, who came to us from the Lowell library, had taken a course in library science at Simmons college and fills Miss Butterick's place as cataloger.

Appointments

As was mentioned in the earlier part of this report, an additional assistant was granted on account of the longer hours. Miss Ruth C. Dudley of Guilford, Conn., having taken a course in library training at the Westfield Atheneum, Westfield, Mass., was appointed to fill this position.

One pupil assistant, Miss Addie B. Fitch of Milford, N. H., was admitted during the year and gave four months of service in return for instruction given.

Repairs

The repairs on the building this year, though very few, were such as to add materially to convenience and comfort. Tungsten lights with pull cords were placed in each alcove, and the shelves now are well lighted, as they never have been before. Much-needed awnings were placed over the western windows of the wing.

Elm street sign

Though the library is very conveniently situated, it is entirely out of sight of the throngs of people who pass up and down Elm street, and newcomers to the city have not readily found it. This disadvantage has been overcome, in a measure, by placing upon Elm street a neat sign, saying "City Library," with a hand pointing down Dean avenue.

Inventory

The result of the inventory this time is less discouraging than that of a year ago, the number of books unaccounted for being 164, about two thirds of which were juvenile; 33 of these were non-fiction and 131 fiction, the latter being largely recent novels and children's books. Twenty volumes were found of those missing in previous years, which is a larger number than usual.

Discarded books

The custom of sending the discarded books to the County Jail has been continued, and for the first time some books were given to the County Farm at Grasmere. As these seem to have found a welcome, our discarded volumes doubtless will be divided hereafter between the two institutions.

Acknowledgments

In conclusion, the librarian wishes to express her appreciation of the interest and coöperation of the staff, the courtesy of the newspapers in printing the weekly book lists and numerous friendly notices, the kindness of those who have donated books, pamphlets, and magazines, especially those who have given subscriptions to periodicals, and of the continued support of the trustees.

Respectfully submitted,

F. MABEL WINCHELL,

Librarian.

APPENDIX I.

Accessions.

Increase by purchase	1,437
Increase by gift	273
Increase by binding periodicals	303
Increase by volumes exchanged	2
Increase by public documents not accessioned	110
Total increase for the year	2,125
Number of accessions as last reported	64,540
Whole number of accessions	66,555
Number of volumes purchased from the Dean fund	227
Number of volumes purchased from the Eaton fund	58
Number of volumes purchased from the Elliot fund	25
Worn-out volumes withdrawn from circulation	294
Number of volumes replaced	357
Number of volumes lost or injured and paid for	40
Number of volumes lost and not paid for	12
Number of volumes burned on account of contagious diseases	6
Number of magazines subscribed for	150
Number of magazines given	46
Number of newspapers subscribed for	7
Number of newspapers given	8
Total number of periodicals received	211

APPENDIX II.

Circulation and Registration.

CIRCULATION.

Number of days open for circulation of books	304
Average daily use (home)	300
Largest number any one day (March 25)	666
Smallest number any one day (July 28)	143
Largest number any one month (March)	9,340
Smallest number any one month (July)	6,328
Home circulation	91,332
Number of volumes issued to schools	1,568
School circulation (estimated from partial records)	7,840
Home circulation, including school circulation	99,172
Number of volumes delivered in reading room	17,810
Average daily use	59
Total circulation	116,982

RECORD, BY CLASSES, OF VOLUMES ISSUED.

	No. vols.	Per cent.
General works	5,756	6.3
Philosophy and religion	1,151	1.3
Biography	1,680	1.8
History	2,731	3.
Geography and travels	2,233	2.4
Social sciences	784	.9
Science and useful arts	3,592	3.9
Fine arts	2,254	2.5
Literature	4,770	5.2
Fiction	66,051	72.3
Pictures	330	.4
	91,332	

REGISTRATION.

Active borrowers, December 31, 1910		6,283
New borrowers registered in 1911	859	
Registrations renewed in 1911	247	
Total number registered in 1911		1,106
		7,389
Registrations lapsed during 1911		140
Active borrowers, December 31, 1911		7,249

APPENDIX III.

Miscellaneous Statistics.

Number of volumes classified	1,916
Number of volumes cataloged	2,433
Number of volumes bound and repaired at bindery	1,642
Number of volumes repaired at library	10,972
Number of volumes covered at library	6,881
Number of wornout volumes sent to the County Jail	202
Number of wornout volumes sent to the County Farm	66
Mail notices for overdue books	1,911
Reserve notices paid for	2,089

SUNDAY STATISTICS.

	Men.	Women.	Children.	Total.
Attendance	3,379	951	7,568	11,898
Average per Sunday	64	18	143	225

CIRCULATION.

General works	5,406
Philosophy and religion	168
Biography	398
History	1,018
Geography and travels	550
Social sciences	221
Science and useful arts	1,553
Fine arts	1,406
Literature	5,124
Fiction	2,059
	17,903

APPENDIX IV.

Receipts from Fines, etc., from December 1, 1910, to November 30, 1911.

Received from fines	$386.75	
books lost or injured and paid for	26.63	
reserve notices	20.74	
miscellaneous sales	2.71	
income on bank deposit	4.36	
		$441.19
Paid for expressage, books, and sundries	$223.71	
Refunded for deposits stolen in 1910	8.00	
		231.71
Balance on hand		$209.48

APPENDIX V.

Donations to Library, 1911.

The library has received as gifts 241 volumes, 2,094 pamphlets, 1,483 magazines, and many newspapers. Of these, 185 volumes and 1,815 pamphlets were from the government.

	Vols.	Pams.	Mags.
Bartlett, Ruth H.			6
Blanchard, W. H.		1	
Bodwell, Mrs. L. B.	5		12
Bookwalter, J. W.	1		
Boyd, Florence			115
Brown, Ernest		1	
Brown, Mary E. ..... The Independent			

	Vols.	Pams.	Mags.
Carvelle, Dr. H. D. W.		3	93
Challis, Frank H.			18
Christophe, Elizabeth			159
Clough, Albert L.	1		
Coolidge, Archibald C.		1	
Cross, David	1		
Subscription to The Dartmouth			
Eames, Dr. William			110
Fairbanks, Elsie D.			84
French, Mrs. Emma F. . . Missionary Herald			
Life and Light for Woman			4
Gerhard, William P.		1	
Grant, Margaret I.			4
Lane, Mrs. John G.			41
Leavitt, Mrs. Carrie M.			77
Lewis, Walter H.	1		
MacDonald, Mme. J. W. D.	1		
Mack, Isabelle G.			52
Messinger, H. E.	13		
Molly Stark Chapter, D. A. R.	2		
Newell, E. Louise	1		
Pillsbury, Albert E.		2	
Pionera Grupo.			
Subscription to Amerika Esperantisto			
Plumer, Mrs. W. H.			
Subscription to Good Housekeeping			
Raymond, George Lansing	1		
Robbins, F. I.	1		
Robbins, Reginald C.	1		
Sargent, Lois G.			14
Sawyer, Mrs. Fannie Hoyt			36
Schaeffer, Henri N.			32
Sowdon, Susan E.		2	1
Spivak, Dr. C. D.		20	
Straw, Gertrude			33
Straw, Dr. Zatae L.			77
Sunshine Sewing society,			
8 scrap books, 1 picture book			
Taggart, Alice C.			136
Thompson, Mrs. Albert			38
Thompson, Mrs. Henry			
Illustrated London News			
Thompson, Slason	1	1	
Tipton, D. M.	1		
Tolman, Mary M.			
102 pictures, 12 scrap books		8	12

	Vols.	Pams.	Mags.
Varick, Mrs. Thomas			98
Vincent, Una			9
Watts, Mary A.			112
Wheat, Dr. A. F.	6		
Whittemore, Mrs. George			79
Winchell, F. Mabel		2	
Woman's Alliance, Unitarian church, city, Subscription to Christian register			
Woodbury, C. J. H.		1	

Grateful acknowledgment is hereby made to the many other donors, —libraries, colleges, schools, associations, institutions, national, state, and city governments, etc., from whom reports and various publications have been received.

APPENDIX VI.

List of Periodicals for 1912.

A. L. A. booklist.
Academy of Political Science. Proceedings.
Alpine journal.
America.
American boy.
American city.
American engineer and railroad journal.
American historical review.
American homes and gardens.
American journal of science.
American journal of sociology.
American Library Association. Bulletin.
American magazine.
American naturalist.
Amerika esperantisto.—Gift.
Among the deep sea fishers.
Annals of American Academy of Political and Social Science.
Annals of Iowa.—Gift.
Architecture and building.
Argosy.
Art journal.
Athenaeum.
Atlantic monthly.
Benziger's magazine.—Gift.
Berea quarterly.—Gift.
Biblical world.
Bird lore.
Blackwood's Edinburgh magazine.

Book review digest.
Bookman.
Boston Cooking School magazine.
Boston Society of Natural History. Proceedings.
Brooklyn Institute of Arts and Sciences. Museum news.—Gift.
Brown alumni monthly.—Gift.
Bulletin of bibliography.
Bulletin of New Hampshire public libraries.
Business.
Camera craft.
Canadian magazine.
Cassier's magazine.
Century.—2 copies.
Chambers's journal.
Chautauqua quarterly.—Gift.
Chautauquan.
Chicago banker.—Gift.
Child lore magazine.
Children's magazine.
Christian burden bearer.—Gift.—2 copies.
Christian herald.—Gift.
Christian register.—Gift.
Christian science journal.—Gift.
Christian science sentinel.—Gift.
Collier's weekly.
Concrete.—Gift.
Connoisseur.
Contemporary review.
Cornhill magazine.
Cosmopolitan.—2 copies.
Cotton.
Country life in America.
Craftsman.
Cumulative book index.
Current literature.
Dartmouth alumni magazine.—Gift.
Das Wort.—Gift.
Delineator.—2 copies.
Dial.
Eastern and western review.—Gift.
Edinburgh review.
Education.
Educational review.
Electrical world.
Electrician and mechanic.
Elementary school teacher.
Engineering magazine.

Engineering news.
Envelope series.—Gift.
Equity.—Gift.
Etude.—2 copies.
Everybody's magazine.—2 copies.
Everyland.
Folk-lore.
Fortnightly review.
Forum.
Good housekeeping.—Gift.
Granite monthly.
Granite state magazine.
Gregg writer.—Gift.
Grinnell review.—Gift.
Hampton-Columbian.—2 copies.
Harper's bazar.
Harper's monthly.—2 copies.
Harper's weekly.
Herald of the cross.—Gift.
Hibbert journal.
Holy Cross purple.—Gift.
Home needlework magazine.
Horseless age.
House beautiful.
Housekeeper.
Independent.—Gift.
Index medicus.
Index to dates of current events.
Indian's friend.—Gift.
Industrial and commercial journal.—Gift.
International studio.
Journal of American folk-lore.
Journal of American history.
Journal of political economy.
Journal of the Franklin Institute.
Ladies' home journal.
Ladies' review.—Gift.
Lancet.
Library journal.
Life.
Life and light for woman.—Gift.
Lippincott's magazine.
Literary digest.
Little folks.
Living age.
London quarterly review.
McClure's magazine.—2 copies.

Magnificat.—2 copies.—Gift.
Manual training magazine.
Metal industry.—Gift.
Metropolitan.
Mind.
Missionary herald.—Gift.
Missionary review of the world.
Modern electrics.
Motor world.
Mt. St. Mary's record.—Gift.
Munsey magazine.—2 copies.
Museum of Fine Arts. Bulletin.—Gift.
Musician.—2 copies.
Nation.
National Fire Protection Association. Quarterly.
National geographic magazine.
National magazine.
National municipal review.
Nature.
New England historical and genealogical register.
New England magazine.
New England shoe and leather industry.—Gift.
New York School of Philanthropy. Bulletin.—Gift.
Nineteenth century and after.
North American review.
Oracle.—Gift.
Out west.
Outing.
Outlook.
Overland monthly.
Pan American Union. Bulletin.—Gift.
Pearson's magazine.
Photo-era.
Pitman's journal.—2 copies.—Gift.
Poet lore.
Political science quarterly.
Popular electricity.
Popular mechanics.
Popular science monthly.
Posselt's textile journal.
Power.
Printing art.
Protectionist.—Gift.
Public.
Public libraries.
Publishers' weekly.

Puck.
Punch.
Quarterly bulletin of the State Board of Health of New Hampshire.
Quarterly review.
Railway age gazette.
Readers' guide to periodical literature.
Records of the past.
Recreation.
Review of reviews. American edition.—2 copies.
Revue des deux mondes.
St. Anselm's college monthly.
St. Nicholas.—2 copies.
Saturday evening post.
Saturday review.
School arts book.
School review.
Science.
Scientific American.
Scientific American supplement.
Scribner's magazine.—2 copies.
Short ballot bulletin.—Gift.
Shorthand writer.—Gift.
Sketch book.
Speaker.
Square deal.—Gift.
Strand magazine.
Suburban life.
Sunday school times.
Sunset.
Survey.
Technical world magazine.
Textile colorist.
Textile world record.
U. S. Patent Office. Official gazette.—Gift.
U. S. public documents. Catalogue.—Gift.
Universalist leader.—Gift.
Vocational education.
Western woman voter.—Gift.
Westminster review.
Whittlings.—Gift.
Woman's home companion.
Woman's journal.—Gift.
Work with boys.
World to-day.
World's work.—2 copies.
Yale review.
Youth's companion.—2 copies.

Newspapers.

Anzeiger und Post.—Gift.
Boston morning herald.
Boston Sunday herald.
Boston evening transcript.
Dartmouth.—Gift.
Emerald.—Gift.
Manchester union.—Gift.
Mirror and American.
Mirror and farmer.—Gift.
New Hampshire farmer.—Gift.
New York morning sun.
New York times. Book review.
Plymouth record.—Gift.

TREASURER'S REPORT.

Account of Edwin F. Jones, Treasurer of the Trustees of the City Library.

1911.				Dr.
Jan.	1.	To unexpended balance of appropriation for the purchase of books		$692.51
		Dean fund and accumulations		13,710.71
Dec.	30.	Income do. Guaranty Savings bank	$109.31	
		Amoskeag Savings bank	85.12	
		Merrimack River Savings bank	81.60	
		Manchester Savings bank	136.73	
		Manchester Savings bank	129.72	
		Mechanics Savings bank	120.70	
				663.18
Jan.	1.	To Mary E. Elliot fund and accumulations		4,068.46
Dec.	30.	Income do. Guaranty Savings bank	$161.06	
		Hillsborough County Savings bank	55.41	
		Mechanics Savings bank	85.72	
				302.19
Jan.	1.	To Eliza A. Eaton fund and accumulations		4,115.55
Dec.	30.	Income do. Guaranty Savings bank	$167.21	
		Hillsborough County Savings bank	79.71	
		Merrimack River Savings bank	55.28	
				302.20
June	1.	To appropriation for purchase of books 1911		2,000.00
June	30.	To principal of fund under will of Emily A. Smith		5,150.00
Dec.	30.	To income do.		51.50
				$31,056.30

1911.			Cr.
By paid for books:			
March	11.	W. P. Goodman	$123.64
		W. P. Goodman (Dean fund)	22.27
		W. P. Goodman (Eaton fund)	6.30
		Schoenhof Book Co.	1.15
		Granite State Publishing Co.	1.00
		W. B. Clarke Co.	10.35
		Charles Edwin Booth	5.00
		Old Corner Book Store (Elliot fund)	46.17
		T. P. W. Rogers	6.20
		Robert W. Lull	16.35
		H. R. Huntting Co., Inc.	11.64
May	4.	Pearson & Marsh, Inc.	28.02
		Harper & Brothers	27.90
		T. P. W. Rogers	6.75
		H. R. Huntting Co., Inc.	78.82
		G. E. Stechert & Co.	49.21
		Boston Book Co.	5.50
		W. P. Goodman	105.64
		W. B. Rotch	1.10
		Robert W. Lull	8.50
June	9.	T. P. W. Rogers	21.00
		T. P. W. Rogers	2.50
		Publishers' Weekly	5.28
		Goodspeed's Book Shop	5.75
		N. E. Hist. Genealogical Society	5.00
		McDevitt-Wilson Bargain Shop	35.65
		W. A. Greenough & Co.	3.00
		Old Corner Book Store (Elliot fund)	28.80
		Robert W. Lull	4.00
		William Rademakers	3.05
		H. R. Huntting Co., Inc.	44.86
		W. P. Goodman	150.10
Aug.	3.	T. P. W. Rogers	79.75
		T. P. W. Rogers (Dean fund)	6.50
		H. R. Huntting Co., Inc.	23.45
		H. R. Huntting Co. (Dean fund)	5.00
		W. P. Goodman	144.50
		W. P. Goodman (Dean fund)	91.20
		G. E. Stechert & Co.	26.77
		G. E. Stechert & Co. (Dean fund)	8.67
		Caroline L. Himebaugh	13.90
		Henry Malkan	3.50
		R. R. Bowker Co.	1.50

Aug.	3.	Charles Scribner's Sons.....	$7.40	
Oct.	19.	W. P. Goodman (Eaton fund).....	75.55	
		T. P. W. Rogers (Dean fund).....	14.85	
		W. P. Goodman (Dean fund).....	55.01	
		T. P. W. Rogers.....	9.50	
		Robert W. Lull.....	5.25	
		G. E. Stechert & Co.....	21.77	
		Theo E. Schulte.....	5.00	
		Sampson & Murdock Co.....	3.00	
		Publishers' Weekly.....	7.50	
		Macmillan Co.....	5.00	
		H. R. Huntting Co., Inc.....	26.46	
		Caroline L. Himebaugh.....	11.21	
		W. P. Goodman.....	342.72	
By paid for periodicals:				
Nov.	7.	Herman Goldberger.....	375.20	
		Herman Goldberger (Elliot fund)	14.30	
By paid for books:				
		W. P. Goodman.....	135.23	
		W. P. Goodman (Dean fund).....	15.30	
Dec.	22.	W. P. Goodman (Dean fund).....	228.96	
		W. P. Goodman (Eaton fund)....	60.23	
		H. R. Huntting Co., Inc. (Dean fund)	69.00	
		Old Corner Bookstore (Elliot fund)	31.50	
		Boston Book Co. (Dean fund).....	20.22	
				2,815.40
Dec.	30.	By Dean fund and accumulations:		
		Deposit Book No. 16445 Manchester Savings bank.....	$2,816.52	
		Deposit Book No. 75958 Manchester Savings bank.....	3,373.17	
		Deposit Book No. 94654 Amoskeag Savings bank.....	2,213.63	
		Deposit Book No. 39195 Merrimack River Savings bank.....	2,122.13	
		Deposit Book No. 6421 Mechanics Savings bank.....	3,311.46	
				13,836.91
Dec.	30.	By Eliza A. Eaton fund and accumulations:		
		Deposit Book No. 106 Hillsborough County Savings bank....	$2,837.71	
		Deposit Book No. 39196 Merrimack River Savings bank.....	1,437.96	
				4,275.67

Dec.	30.	By Mary E. Elliot fund and accumulations:		
		Deposit Book No. 6423 Mechanics Savings bank.....	$2,229.59	
		Deposit Book No. 104 Hillsborough County Savings bank....	2,020.29	
				$4,249.88
Dec.	30.	By Emily A. Smith fund and accumulations:		
		Deposit Book No. 7189 Mechanics Savings bank		5,201.50
Dec.	30.	By balance of appropriation unexpended....		676.94
				$31,056.30

We have examined the account of Edwin F. Jones, Treasurer of the Trustees of the City Library, and find the same correctly cast and properly vouched.

EDWARD C. SMITH,
WALTER M. PARKER,
Committee on Finance of the Trustees of the City Library.

I have examined the above account of Edwin F. Jones, Treasurer of the Trustees of the City Library, and find the same correctly cast and properly vouched.

JAMES E. DODGE,
City Auditor.

REPORT

OF THE

ENGINEER'S DEPARTMENT

REPORT OF THE ENGINEER'S DEPARTMENT.

MANCHESTER, N. H., December 30, 1911.

To the Honorable Mayor and City Councils:

GENTLEMEN:—The thirty-third annual report of the engineer's department is herewith submitted, showing the expenditures and operations for the year ending December 30, 1911.

ORGANIZATION.

SAMUEL J. LORD, *Engineer.*
GEORGE W. WALES, *First Assistant.*
HARRIE M. YOUNG, *Chief Clerk.*

Assistants: Alfred T. Dodge, instrument man; Henry A. Worthen, instrument man; Harold M. Haskell, draughtsman; Lawrence A. O'Connor, rodman; Glen B. Eastman, rodman (to May 18); Frank L. McAllister, assistant clerk (to September 2); Harold W. Pease, instrument man (June 30 to September 23); Edson W. Keith, instrument man (from October 14); Horace Wyman, rodman (from June 29); Harold L. Davis, rodman (July 5 to September 16); Royden E. Reed, rodman (June 30 to August 26); Harrie H. Clement, assistant clerk (to January 21); Felix A. Lepage, stenographer and typewriter.

FINANCIAL.

W. P. GOODMAN.

1907.			
July	30.	To ½ dozen memorandum books..	$0.23
Oct.	26.	To 1 dozen pass books.....	.45
Nov.	21.	To ½ dozen receipt books.....	.30
1908.			
Jan.	17.	To 1 box typewriter paper.....	2.00
	29.	To 1 bottle Higgins ink.....	.25
Feb.	11.	To 2 bottles Higgins scarlet ink...	.50
		1/6 dozen penholders.....	.20
	21.	To 1 box typewriter paper.....	1.00
March	12.	To erasers	.25
	18.	To 1/3 dozen pencils.....	.40
May	2.	To 2 pints Strafford's commercial ink	.80
April	28.	To 2 boxes bands.....	.50
June	3.	To 200 clasp envelopes.....	2.25

1910.				
Jan.	6.	To ¼ M No. 9 envelopes.....	$1.00	
		¼ M No. 10 envelopes.....	1.00	
	26.	To 1 box typewriter paper.....	2.00	
March	30.	To 1 Ideal scrapbook.....	1.00	
May	3.	To ¼ M catalogue envelopes.....	1.00	
		¼ M catalogue envelopes.....	1.25	
	31.	To 1 box typewriter paper.....	1.50	
June	21.	To ½ dozen bottles Higgins drawing ink	1.50	
1911.				
Jan.	7.	To 1 gross No. 170 pens.....	.90	
Feb.	20.	To 1 dozen erasers.....	.50	
				$20.78
1908.				
July	13.	By one roll tracing cloth.....	$6.28	
Aug.	27.	By 2 yards blue print paper.....	.14	
Sept.	12.	By 2 yards blue print paper.....	.14	
1909.				
June	14.	By 1 roll tracing cloth.....	6.28	
				12.84
				$7.94
1911.				
March	17.	To 4 boxes rubber bands.....		$1.00

MANCHESTER COAL AND ICE COMPANY.

1911.				
Jan.	2.	To ice from June 3 to November 5, 1910, daily		$4.28

MANCHESTER HARDWARE COMPANY.

1911.				
Jan.	6.	To 1 pair Bernard pliers.....	$1.00	
	17.	To 5 lbs. 2-inch hinge nails @ 20c	1.00	
				$2.00
Feb.	10.	To 1 bottle glue.....		$0.25
June	1.	To 1½-inch nickel-plated figures as follows:		
		55 figures 0 @ 6c.....	$3.30	
		94 figures 1 @ 6c.....	5.54	
		41 figures 2 @ 6c.....	2.46	
		7 figures 3 @ 6c.....	.42	
		8 figures 4 @ 6c.....	.48	
		15 figures 5 @ 6c.....	.90	
		6 figures 7 @ 6c.....	.36	
		7 figures 8 @ 6c.....	.42	
		14 figures 9 @ 6c.....	.84	
				$14.82
Aug.	23.	To 2 prick punches @ 15c.....		$0.30

Dec.	12.	To 5 lbs. hinge nails @ 15c.....	$0.75	
		2 prick punches @ 10c.....	.20	
				$0.95

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY.

1911.				
Jan.	14.	To exchange service for 1 month, ending December 31, 1910.....		$2.08
		exchange service for 12 months, ending December 31, 1911.....		$25.00
June	24.	To tolls at engineer's department office:		
		May 3, Concord 248.....	$0.10	
		May 18, Winchester 429.....	.60	
				$0.70
Oct.	1.	To tolls at engineer's department office:		
		Aug. 24, Winchester 607—1....	$0.80	
		Aug. 31, Winchester 429—W....	.10	
		Sept. 19, Rochester.....	.35	
		Sept. 19, Winchester.....	.60	
		Sept. 20, Concord.....	.10	
				$1.95
Dec.	19.	To tolls at engineer's department office:		
		Oct. 25, East Boston 216—2....	$1.10	
		Nov. 7, Boston 854.....	.35	
		Nov. 7, South Boston 2103—3...	.30	
		Oct. 31, Suncook 24—2.....	.10	
				$1.85

C. L. BERGER & SONS, BOSTON, MASS.

1911.				
Feb.	8.	To repairing, cleaning and adjusting one Berger transit, No. 865; 26 hours' labor @ 60c...	$15.60	
		new packing piece.....	1.00	
		express charge paid when received	.70	
		express charge paid when returned	.50	
	11.	To repairing, cleaning, and adjusting one Berger level, No. 1,894; 18½ hours' labor @ 60c	11.10	
		four new cushions.....	.30	
		1 new clamp screw.....	1.00	
		express paid when received....	.45	
		express paid when returned....	.40	
				$31.05
March	29.	To repairing, cleaning, and adjusting one Berger transit. No. 2026. 10½ hours' labor @ 60c	$6.30	

March 29.	To express paid when received....	$0.60	
	express paid when returned..	.40	
			$7.30
Dec. 19.	To 1 No. 11 transit theodolite with horizontal limb 6¼ inches in diameter reading to 20 seconds	$225.00	
	1 full 5-inch vertical circle, double opposite verniers.....	50.00	
	1 6-inch level to telescope with reversible clamp, tangent and gradienter	35.00	
	2 reading glasses with ground glass shades to verniers.....	15.00	
	stadia wires, fixed.....	3.00	
		$328.00	
	By 10% discount.....	32.80	
		$295.20	
	To 2 steel transit rods, 6 ft., @ $2.75 each.....	5.50	
			$300.70

E. G. SOLTMANN, NEW YORK.

1911.			
Jan. 23.	To 2 50-yard rolls 36-inch blue print paper @ $3.95.....	$7.90	
	express prepaid.....	.75	
			$8.65
March 27.	To 2 rolls 36-inch blue print paper @ $3.95.....	$7.90	
	express prepaid.....	.75	
April 4.	To 3 dozen Kohinoor pencils @ 85c	2.55	
	1 dozen Emerald erasers.....	.50	
	6 bottles waterproof ink @ 20c	1.20	
	3 bottles crystalline ink @ 15c	.45	
	4 lbs. stake tacks.....	1.50	
	½ dozen 2-foot rules.....	2.70	
	2 100-feet Chesterman tapes...	17.00	
	express prepaid.....	.55	
			$35.10
Sept. 7.	To 1 roll, 50 yards, 36-inch Congress blue print paper.....	$3.95	
	express prepaid.....	.55	
			$4.50
Oct. 5.	To 1 roll 36-inch blue print paper	$3.95	
	8 dozen Kohinoor pencils.....	6.35	
	½ dozen sandpaper pads.....	.72	
	1 dozen Verdenette erasers....	.50	
	express prepaid.....	.55	
			$12.07

W. & L. E. GURLEY, TROY, N. Y.

1911.				
Feb.	22.	To repairing and adjusting 20-inch Y level, No. 2541, repairing spindle and socket, repairing telescope slides and wyes and resetting level vials.....	$15.00	
		express paid to and from Troy, N. Y.....	1.75	
				$16.75

B. L. MAKEPEACE, BOSTON, MASS.

1911.			
Feb.	24.	To 2 10-yard rolls 36-inch Bertach Imported Direct blackprint paper @ $2 per roll..	$4.00

F. L. GEIGER CO.

1911.			
March	7.	To 6 keys for loose leaf ledger.....	$7.50

TEMPLE & FARRINGTON.

1911.				
March	20.	To binding record of meetings, Committee on Streets for 1910	$0.85	
		binding record of meeting, Committee on Sewers and Drains for 1910.....	.85	
		binding time book for 1910....	.85	
				$2.55

CHARLES F. McCARTY.

1911.			
April	18.	To lettering 2 street signs @ 30c.....	$0.60

HEAD & DOWST CO.

1911.			
May	12.	To 500 3-foot grade stakes.....	$16.25

GEORGE D. FITTS.

1911.				
May	27.	To 1,000 6"x4" Salmon cards printed	$7.50	
		200 6"x4" heavy Salmon grades, ¼ cut.....	1.35	
		200 6"x4" heavy blue guides, ¼ cut	1.35	
				$10.20

KEUFFEL & ESSER CO., HOBOKEN, N. J.

1911.				
May	29.	To 1 No. 6262 leveling rod.....	$13.00	
		1 Chesterman metal tape, 100 ft. 10ths.....	4.20	
			$17.20	
		Less 10% on $13.00..... $1.30		
		Less 20% on $4.20..... .84		
			2.14	
				$15.06

THE J. H. MENDELL CO.

1911.				
June	14.	To 300 3-foot grade stakes @ 6c ea.....		$18.00

J. ARTHUR WILLIAMS.

1911.				
June	19.	To 500 index cards "miscellaneous".....		$2.00

THE JOHN B. CLARKE CO.

1911.				
June	20.	To 8½ hours' author's corrections in engineer's department copy of annual report @ 55c	$4.68	
Aug.	5.	To printing 500 cards, form 1.....	3.00	
				$7.68
July	7.	To printing 300 reports, engineer's department, 1911, 61 pages @ 55c per page...		$39.65

MANCHESTER TRACTION, LIGHT & POWER COMPANY.

1911.				
July	8.	To 1 No. 2370 pendant switch.....	$0.35	
Sept.	14.	To 1 60 W. Cl. Tungsten lamp.....	.90	
Aug.	23.	To repairing electric fan.....	1.50	
				$2.75

JULIEN P. FRIEZ, BALTIMORE, MD.

1911.				
July	26.	To 1 set, form 1015, E sheets for rain gauge		$5.25

WEST SIDE LUMBER COMPANY.

1911.				
July	27.	To 360 3′ grade stakes @ 3c.....	$10.80	
Sept.	20.	To 657 3′ grade stakes @ 3c.....	19.71	
Oct.	28.	To 500 3′ grade stakes @ 3c.....	15.00	
Nov.	16.	To 246 3′ grade stakes @ 3c.....	7.38	
				$52.89

IDEAL STAMP CO.

1911.				
Aug.	11.	To 1 handle stamp, Board of Public Works..		$0.20

E. A. STRATTON.

1911.			
Aug.	25.	To printing 200 master plumber licenses and 200 journeymen plumber licenses.....	$6.25

STANDARD ICE COMPANY.

1911.			
Nov.	10.	To 3,120 lbs. ice delivered at engineer's office during season 1911 @ 25c cwt.....	$7.80

PIKE & HEALD CO.

1911.			
Nov.	10.	To 1 gallon gasoline.....	$0.25

HOLLIS FRENCH & ALLEN HUBBARD, BOSTON, MASS.

1911.				
Dec.	18.	To services drawing plans, writing specifications and inspecting for new garage, 6% on cost..	$96.00	
		Traveling expenses.....	4.24	
				$100.24

JOHN B. VARICK COMPANY.

1909.			
Aug.	10.	To 1 ball No. 48 cable twine.....	$0.25
	22.	To films	.95
	25.	To 1 ball twine.....	.25
Sept.	10.	To 1 lot photos.....	.75
		2 films 7x5, 6 exp.....	1.60
		developing and printing films..	.85
Dec.	24.	To 1 pt. Rogers carriage paint....	.45
		¼ pt. white enamel.....	.20
	27.	To 1 pt. Rogers carriage paint..	.45
		1 can Jap-a-lac.....	.15
		1 door-knob	.08
	29.	To 1 pt. Ver. paint.....	.37
		2 1″ C. H. color brushes.....	.50
		1 pt. T. apshaltum.....	.25
		¼ pt. white enamel.....	.20
	30.	To 1 pt. O shellac.....	.40
		1 pt. denatured alcohol.....	.10
		3 12x14 brackets, No. 492.....	.33
		3 doz. 1¾ 11 screws.....	.15
1910.			
Jan.	3.	To 1 gro. R. H. screws.....	.23
		2 doz. 1½ 10 screws.....	.08
	8.	To 1 pt. bottle white shellac.....	.40
		4 sheets sandpaper.....	.04
	14.	To 1 Standard typewriter ribbon..	1.00

March	17.	To 1 carriage sponge.....		$0.50
		developing and printing films..		1.55
May	15.	To 2 gals. floor oil.....		.70
		1 2-gal. can.....		.30
	25.	To 1 mallet.....		.20
		1 mallet.....		.30
	31.	To 12 ft. ¾″ cotton rope.....		.54
June	10.	To 1 set letters.....		1.90
		1 set figures.....		.60
	13.	To 1½ gro. Fabers chalk.....		5.50
July	13.	To 3 10-yd. rolls blue print paper..		2.40
1911.				
March	31.	To 2 balls No. 36—C twine.....		.50
May	23.	To 4 Columbia Igniter batteries...		1.00
	29.	To 1 Perfection cooler.....		10.80
		4 ft. ½″ rubber hose.....		.44
June	16.	To 23½ doz. nickel figures.....		9.40
	27.	To 16½ doz. nickel figures.....		7.92
July	3.	To 1½ No. 42 Perf't'n cooler	$12.00	
		Less 15%.....	1.80	
				10.20
		1 3-gal. bottle.....		.75
		3 fish lines.....		.30
July	28.	To 2½ lbs. cotton rope.....		.63
Aug.	3.	To 6 7x5 films.....		.80
		developing and printing films..		.35
		6 prints.....		.60
Sept.	14.	To 3 gro. crayons.....		9.75
Oct.	20.	To 24 No. 1 1½″ door numbers....		1.00
		24 No. 2 1½″ door numbers....		1.00
Nov.	16.	To 1 Amoskeag street blanket, 90x96		5.75
	29.	To 20 1½″ nickel numbers.....		.80
		24 1½″ nickel numbers.....		.96
Dec.	12.	To 1 doz. 1½″ nickel numbers....		.40
		1 doz. 1½″ nickel numbers....		.40
	19.	To 1 pt. grain alcohol.....		.40
1910.				
July	18.	To 3 10-yd. rolls blue print paper..		2.40
		3 Chesterman 100-ft. steel tapes (leather box) divided into 10ths and 100ths @ $12.80 each...	$38.40	
		By 30% discount.....	11.52	
				26.88

July	8. To	2 K. & E. No. 6262 level rods @ $13.00 ea.	$26.00		
		By 10% discount.....	2.60		
				$23.40	
		12 special 2-ft. fourfold brass-bound rules (1 side, feet and inches; 1 side, feet, 10ths and 100ths)		1.72	
		6 K. & E. Lilliput steel tapes (leather box) @ $4.45	$26.70		
		By 35% discount.....	9.35		
				17.35	
				$160.42	
		By credit 1 rain rate recorder	$70.28		
		By credit 20% on Aneroid barometer previously purchased	11.60		
				81.88	
					$78.54

1911.
Dec. 19. To 2,400 1¼-inch steel numbers, 20 dozen each, 0 to 9 inclusive, @ 3⅛c..... $84.00

WALKER LITHOGRAPH & PUBLISHING COMPANY, BOSTON, MASS.

1911.
Dec. 21. To map of city of Manchester, N. H., on account of labor and expenses of same to date $439.72

GEORGE W. WALES.

1911.
Aug. 26. To cash paid for carfare..... $0.40

HAROLD M. HASKELL.

1911.
July 7. To cash paid for carfare..... $0.10

HARRIE M. YOUNG.

1911.
Dec. 30. To use of automobile perambulating town lines as follows:

Auburn-Manchester town line, ¾ day @ $4.00.....	$3.00
Bedford-Manchester town line, ½ day @ $4.00.....	2.00
Goffstown-Manchester town line, ½ day at $4.00.....	2.00

Dec.	30.	To Hooksett-Manchester town line, 1 day @ $4.00	$4.00	
		Litchfield-Manchester town line, ½ day @ $4.00	2.00	
		Londonderry-Manchester town line, 1 day @ $4.00	4.00	
		3 dinners @ 50c	1.50	
				$18.50

GEORGE W. WALES.

1911.				
Dec.	30.	To 288 days' service @ $3.90 per day	$1,123.20	
		30 days' service @ $4.25	126.00	
		57½ hours extra @ 52c per hour	29.90	
				$1,279.10

HARRIE M. YOUNG.

1911.				
Dec.	30.	To 42 days' service @ $3.30 per day	$138.60	
		186 days' service @ $3.60 per day	669.60	
		30 days' service @ $3.90 per day	117.00	
		2 hours' extra time @ 44c per hour	.88	
				$926.08

ALFRED T. DODGE.

1911.				
Dec.	30.	To 288 days' service @ $3.15 per day	$907.20	
		30 days' service @ $3.45 per day	103.50	
		10 hours extra @ 42c per hour	4.20	
				$1,014.90

HENRY A. WORTHEN.

1911.				
Dec.	30.	To 275 days' 7¼ hours service @ $2.75 per day	$758.91	
		30 days' service @ $3.00 per day	90.00	
		3½ hours extra @ 36 2/3c per hour	1.28	
				$850.19

HAROLD M. HASKELL.

1911.				
Dec.	30.	To 288 days' service @ $3.00 per day	$864.00	
		30 days' service @ $3.30 per day	99.00	
		6 hours extra @ 40c per hour	2.40	
				$965.40

LAWRENCE A. O'CONNOR.

1911.				
Dec.	30.	To 230 days' service @ $1.95 per day	$447.60	
		2 hours extra @ 26c per hour..	.52	
				$448.12

FRANK L. MCALLISTER.

1911.				
Sept.	2.	To 165 days' service @ $1.50 per day.....		$247.50

GLEN B. EASTMAN.

1911.				
May	18.	To 125 days' service @ $1.50 per day.....		$187.50

EDSON W. KEITH.

1911.				
Dec.	30.	To 60 days' service @ $2.55 per day	$153.00	
		4 hours extra @ 34c per hour..	1.36	
				$154.36

HAROLD W. PEASE.

1911.				
Sept.	23.	To 102 days' service @ $2.25 per day.....		$229.50

HORACE WYMAN.

1911.				
Dec.	30.	To 128 days' service @ $1.50 per day	$192.00	
		30 days' service @ $1.80 per day	54.00	
		5 hours extra @ 20c per hour..	1.00	
				$274.00

HAROLD L. DAVIS.

1911.				
Sept.	16.	To 65 days' service @ $1.00 per day	$65.00	
		1½ hours extra @ 13 1/3c per hour	.20	
				$65.20

ROYDEN E. REED.

1911.				
Aug.	26.	To 46 days' service @ $1.00 per day	$46.00	
		3½ hours extra @ 13 1/3c per hour	.47	
				$46.47

HARRIE H. CLEMENT.

1911.				
Jan.	21.	To 24 days' service @ $2.70 per day	$64.80	
		20 hours extra @ 36c per hour	7.20	
				$72.00

FELIX A. LEPAGE.

1911.				
Dec.	30.	To 263½ days' service @ $1.75 per day	$461.13	
		25¼ hours extra @ 23 1/3c per hour	5.91	
				$467.04

SAMUEL J. LORD.

1911.		
Dec. 30.	To portion of salary charged to engineer's department for the year 1911.....	$1,300.02

SUMMARY.

Appropriation to the engineer's department for the year 1911.....	$9,900.00	
Expenses of the engineer's department for the year 1911.....		$9,900.00
	$9,900.00	$9,900.00

ORDERS.

Board of mayor and aldermen (meetings).....	6
Board of examiners of plumbers (meetings).....	6
Committee on streets (meetings).....	9
Committee on sewers and drains (meetings).....	6
Petitions for new highways	35
Petitions for highway grade	50
Petitions for new sewers	22
Table No. 29 (highway bounds).....	63
Table No. 30 (levels for profile).....	95
Table No. 30 (plans and profiles).....	95
Table No. 31 (miscellaneous orders, field).....	282
Table No. 31 (miscellaneous orders, office).....	112
Table No. 32 (street numbers, orders).....	155
Table No. 33 (cemetery orders, office).....	1
Table No. 33 (cemetery orders, field).....	14
Table No. 34 (street and park commission orders).....	280
	1,231

FIELD WORK.

Levels for profile for establishing grades (length in feet)	333,465
Levels in Pine Grove cemetery (length in feet).....	4,298
Other levels (length in feet).....	3,762
Total length of levels in feet.....	341,525
Surveys of streets and street lines (length in feet)....	61,908
Surveys in Pine Grove cemetery (length in feet).....	2,200
Surveys for street numbers (length in feet).....	10,120
Surveys, miscellaneous (length in feet).....	15,724
Total length of surveys in feet.....	89,952
Street lines marked on ground (length in feet).....	17,320
Lot and avenue lines, Pine Grove cemetery (length in feet)	3,420

Lines for gutters (length in feet)	17,462
Lines for curbs (length in feet)	25,830
Lines for sewers (length in feet)	12,600
Lines for building streets (length in feet)	28,930
Other lines (length in feet)	1,690
Total length of lines marked on ground	89,932
Grades set for sidewalks (length in feet)	24,907
Grades set for gutters (length in feet)	17,462
Grades set for curbs (length in feet)	25,830
Grades set for sewers (length in feet)	12,600
Grades set for building streets (length in feet)	28,930
Grades set for paving (length in feet)	8,760
Grades set for Pine Grove cemetery (length in feet)	1,790
Grades set for other purposes (length in feet)	980
Total length in feet of grades set	121,259
Number of old lots restaked in Pine Grove cemetery	3
Number of new lots staked out in Pine Grove cemetery	50
Total cemetery lots staked out	53
Highway bounds set	55
Highway bounds reset	7
Highway bounds removed	1
	63

Batters Set.

Granite street, garage at city yard.
Merrimack common, public comfort.

Sewer Plans and Profiles.

Bedford, Granite to West Central.
Beech, North to Webster.
Bell south back, Pine east back to Union.
Brown avenue, Vernon to Hadley.
Central West, State to Canal.
Elm, Orange to Myrtle.
Frederick, Wentworth to Second.
Glenwood avenue, Highland Park avenue to Woodland avenue.
Highland Park avenue, Glenwood avenue to Candia road.
Longwood avenue, Revere avenue to Woodbine avenue.
Main south, north of Bell to south of Allen.
Merrill, Elm to Willow.
Newell south back, State to Bedford.
Oakland avenue, Woodbine avenue to Woodland avenue.
Orchard avenue, Glenwood avenue to Candia road.
Payson south back, State to Bedford.
Schiller, Hale to South Main.

State, Granite to north of West Central.
Union, Concord & Portsmouth Railroad to Somerville.
Vernon, Hamilton to Brown avenue.
Youville, Kelley to Bremer.
Warner, Wilkins southerly.
Wilkins, Mast road to west of Warner.
Woodbine avenue, Candia road to Oakland avenue.
Woodland avenue, Concord & Portsmouth Railroad to Candia road.

Total sewer plans and profiles, 25.

Numbering Plans.

Bedel, Grant to town line.
Burgess, Hilton to East High, two plans.
Donahoe, Glenwood avenue to Sheridan.
Haines lane, Concord to Lowell.
Hobart, Hanover to Bridge street extension, three plans.
Huse road, Mammoth road 900 feet south.
Koehler, Railroad westerly.
Krakow avenue, Willow easterly.
Warsaw avenue, Pine easterly.

Total numbering plans, 9.

Miscellaneous Plans.

Acorn, Bubier, Bush, Fern, Hanover, Olive, Roy, Rockville, Taft, and Vine streets, Bridge street extension, Bell, Briar, Ivanhoe, Kent, and Maplehurst avenues, Bell Orchard park.

Agnes, Davignon, Edmond, Laurier, Montreal, Pinard, Roosevelt, and Theode streets, and Mast road, "Pinardville."

Albert, Arizona, Boston, Eve, and Roosevelt streets, First, Second, Third, Fourth, Fifth, Sixth, and Seventh avenues, and Summit boulevard, "North End Park."

Alsace, Boutwell, Bremer, Joliettte, Lafayette, Laval, Mason, Morgan, and Youville streets, Youville to Morgan, Bremer to Amoskeag Mfg. Co.'s line.

Amherst, Ash, Concord, Lowell, Maple, and Nashua streets and Corey place, land and buildings of William Corey.

Amory, Congress, Cumberland, Essex, Kearsarge, and Monitor streets, land of Myra D. Whittemore.

Auger avenue and Willow street, land of Joseph N. Auger.

Baker and Elm streets, land of Emily J. Welch.

Bean, Carroll, Davis, and Gordon avenues and Candia road, "Sunnyside Park."

Beech and Gold streets, estate of Joseph A. Brown.

Boston & Maine railroad and Merrimack river, exchange of land between the W. H. McElwain Co. and the Manchester Rendering Co.

Brown avenue, land of Arthur B. Broadhead.

Brown and Hillcrest avenues, land of Manchester Wool and Leather Co.

Canal, Depot, and West Central streets, proposed change in lot No. 2980 of Amoskeag Mfg. Co.

Cross, Low, Mitchell, and Stevens streets, Brown, Pinehurst, Riverview, and Walcott avenues, "Brown Avenue Terrace."

Detail plan of track drain.

Detail plan of 18-inch D frame inlet.

Dunham, Jay, Mitchell, and Riverdale streets, Owens and Riverdale avenues and Ferry road, Brown Avenue Terrace No. 2.

Elm and Hanover streets and Nutfield lane, grades on Amoskeag bank lot.

Fleet and Front streets and Hamilton avenue, land of George H. Farmer.

Gay, Greenleaf, Whitwell, and Winthrop streets, Brown avenue and Pine Island road, "Pine Island Terrace."

Hamilton and Hancock streets, land of Sally W. Andrews.

Hampton, Martin, Plainfield, and Willow streets, Claremont, Lancaster, Lenox, and Rosedale avenues and Calef road, "Maplewood."

Harrison, Linden, Prospect, and Russell streets, estate of Henry W. Herrick.

Harvard, Prescott, and Union streets, land of W. B. Burpee.

Harvard, Silver, Somerville, and Taylor streets, land of Horace H. Young.

Harvard, Taylor, and Young streets, land of David H. Young.

Mast street, land of Herman Rodelsperger.

Pine, Union and Willow streets and Krakow and Warsaw avenues, "Sobieski Park."

East Spruce street, estate of True J. Perry.

Union and Walnut streets, Nutting land.

Total miscellaneous plans, 31.

Working Plans.

Adams, Main to Notre Dame avenue, profile.

Alfred, Amherst to Hanover, profile.

Amherst, Chestnut to Union, two profiles.

Amoskeag, Front to Maxwell, two profiles.

Ash, North to Salmon, profile.

Avon, Ingalls, to Mast, profile.

Bay, Sagamore to Salmon, profile.

Beech, Central to Hanover, profile.

Bell, Wentworth to South Main, two profiles.

Boynton, A to Prince, profile.

Boynton, north of Balch avenue to south of Allen, profile.

Bridge, Lowell, Chestnut, and Pine, plan of square.

Bridge, Pine to Union, profile.

Burgess, East High to Lowell, profile.

C, B to Boynton, profile.
Carpenter, Elm to Union, profile.
Central, Hall road to west of Kenney, profile.
Central, West, State to Canal, profile.
Chestnut east back, Sagamore to Salmon, profile.
Church, North, Pearl to Orange, profile.
Cilley road, Belmont to Cypress, profile.
City yard, Depot to Granite, Franklin to Franklin west back, plan.
Concord, Pine to Union, two profiles.
Congress, Amory southerly, profile.
Derryfield lane, Chestnut to Pine, profile.
Douglas, Main to Turner, profile.
Douglas north back, Main to Douglas, profile.
Dubuque, Amory to Wayne, profile.
Elm, Auburn to Bell, four plans.
Elm, Langdon to West Brook, profile.
Elm, Webster to Clarke, profile.
Frederick, Second to South Main, two profiles.
Gilman, Second to Wentworth, profile.
Grove, Belmont to Taylor, profile.
Hall, Harvard to Valley, profile.
Hall road, Hanover to Lake avenue, profile.
Hampshire lane, Stark to Mechanic, profile.
Hanover, Maple to Belmont, two profiles.
Hanover, Elm to Chestnut, location of proposed gas lights, plan.
Hayward, Hall to Belmont, profile.
Hayward, Porter to Mammoth road, profile.
Hazel, Harrison to Brook, profile.
Hevey, Bremer to Mason, profile.
Highland, Amherst to Hanover, profile.
Highland Park avenue, Candia road to Glenwood avenue, profile.
Hill, Frederick to Schiller, profile.
Hillcrest avenue, Calef road to Elm, profile.
Hillside avenue, Milford southerly, profile.
Ingalls, Sylvester to west of Alpine, profile.
Kingston, Harvard to Hayward, profile.
Lake avenue, Maple to Lincoln, profile.
Lake avenue south back, Union to Beech, profile.
Laurel, Cass to east of Highland, profile.
Laurel south back, Beech to Maple, profile.
Laval, Kelley to Amoskeag Co.'s line, profile.
Lincoln, Cedar to Auburn, profile.
Lincoln, Central to Lake avenue, profile.
Linden, Arlington to Bridge, profile.
Longwood avenue, Mammoth road to Woodbine avenue, profile.
Lowell, Ashland to Hall, profile.
Main, South, Blaine to south of Winter, sewer plan and profile.

Maple, Central to Lake avenue, profile.
Mason, Coolidge avenue to Montgomery, profile.
Mechanic, Elm to Canal, plan.
Monadnock lane, Union east back to Beech, profile.
Monadnock lane, Maple to Lincoln, profile.
Montgomery, Kelley to Amoskeag, three profiles.
Mystic avenue, Glenwood avenue to Candia road, profile.
North, Beech to Ash, profile.
Nutfield lane, Hanover to Amherst, profile.
Page, south of New York to Bridge street extension, profile.
Pearl, Elm to Chestnut, profile.
Pennacook south back, Pine to Union, profile.
Pennsylvania avenue, Hanover to Bridge street extension, two profiles.
Pine east back, Amherst to Concord, profile.
Pine, Hanover to Lowell, two profiles.
Pine, High to Bridge, profile.
Pine Grove cemetery, Woodside, Riverside, and Highland avenues, three profiles.
Prospect, Elm to Chestnut, profile.
Readey, River road to Elm, profile.
Rimmon, south of Wayne to Kelley, two profiles.
Russell, Blodget to north of Sagamore, profile.
Russell avenue, Russell to Smyth road, profile.
Salmon, Chestnut to Pine, profile.
Schiller, Second to Wentworth, profile.
School lane, Manchester to Monadnock lane, profile.
Silver, Wilson to Hall, profile.
State east back, Payson to West Central, profile.
Spruce, East, south back, Maple to Lincoln, profile.
Sullivan, Thornton to second angle west, profile.
Summer, Belmont to Dearborn, profile.
Taylor, Cilley road to Vinton, profile.
Walnut east back, Amherst to Concord, profile.
Walnut east back, Lowell to Bridge, profile.
Warner, Wilkins to Mast, profile.
Wilson, Shasta to south of Vinton, profile.
Woodbine avenue, Candia road to Oakland avenue, profile.
Woodbury, Dartmouth to South Main, profile.
Woodbury, Hill to Second, profile.

Total number of working plans, 142.

TRACINGS.

Bremer to Gardner, Reed to Morgan.
City farm, east of Mammoth road.
City farm, west of Mammoth road.
City hall, lot and present buildings.

Hanover, Elm to Chestnut, location of proposed gas lights.

Manchester Traction, Light & Power Company, showing location of poles, 30 tracings.

New England Telephone & Telegraph Company, showing location of poles, 166 tracings.

Pine Grove cemetery, Birch, Grove, Lakeside, Linden, and Walnut avenues, field of Manesquo.

Total number of tracings, 202.

Blue Prints.

Amoskeag cemetery, three prints.

Bremer to Gardner, Reed to Morgan, two prints.

Catch basin, D frame, 18-inch inlet, four prints.

City farm, east side of Mammoth road, three prints.

City farm, west side of Mammoth road, three prints.

City hall lot and present building, seven prints.

Manchester Traction, Light & Power Company, showing location of poles, 60 prints.

New England Telephone & Telegraph Company, showing location of poles, 332 prints.

Pine Grove cemetery, field of Manesquo, two prints.

Plate 1, plumbers' diagram, one print.

Plate 2, plumbers' diagram, one print.

Square bounded by Auburn, Valley, Franklin, and Union, 58 prints.

Total blue prints, 476.

Summary.

Plans and profiles (sewer)	25
Numbering plans	9
Miscellaneous plans	31
Working plans	142
Tracings	202
Blue prints	476
Assessment book, sheets	9
Sectional plans	15
	909

Six tracings showing city sewers have been brought up to date.

Maps brought up to date, five.

Plans brought up to date, 18.

Plans made for establishing grade on streets not laid out, 26,451 feet.

Plans made for establishing grade on laid-out streets, 45,856 feet.

Total, 72,307 feet.

Lot owners looked up, 18,215.54 feet.

Sewer Licenses.

At a meeting of the board of mayor and aldermen, November 19, 1897, the city engineer was instructed "to examine the books in his office and to present to said board a list of property-owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled, giving the name of the property-owner, and the location of the lot, the street frontage, and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names and a notice was sent to each one by the city clerk. A summarized statement of the ground covered to January 1, 1912, follows, to wit:

Number of names January 1, 1898			1,017
Paid during 1898		277	
Granted free during 1898		76	
Paid prior to 1898, located during year		121	
Paid during 1899		24	
Granted free during 1899		12	
Paid during 1900		2	
Not connected		1	
Paid during 1901		2	
Granted free during 1901		1	
Paid during 1902		2	
Paid during 1903		3	
Paid during 1904		4	
Paid during 1906		1	
Paid during 1907		3	
Granted free during 1907		1	
Paid during 1908		2	
Paid during 1909		2	
Granted free during 1909		1	
Paid during 1910		1	
Paid prior to 1898, not located	60		
Paid previously	3		
Paid in part	1		
Covered by old permit	1		
Not recorded paid, receipts shown	5		
Recorded paid, no record of cash received	2		
Claims to have paid, no record	1		
Licenses taken out, not paid	17		
Not heard from	391		
Total number not settled January 1, 1912		481	
		1,017	1,017

Number of licenses granted new sewer enterers during 1911	164
Number of free licenses granted sewer enterers during 1911	7
Total number of licenses granted during 1911	171
Amount of money recorded as collected from new sewer enterers during 1911	$2,603.99

(All moneys are collected by the city clerk.)

Street Numbers.

Figures on hand January 1, 1911	564	
Figures ordered during 1911	843	
Letters on hand January 1, 1911	55	
Figures used during 1911		1,215
Figures on hand January 1, 1912		196
Letters used during 1911		4
Letters on hand January 1, 1912		51
	1,462	1,462
Numbers assigned during 1911		323
Numbers replaced during 1911		75
Numbers changed during 1911		11
		409

(The expense of street numbers is charged to the appropriation for the engineer's department.)

Coal Tar and Granite Block Paving.

Tables Nos. 1, 2, 3, 4, 5, and 6 give the location, number of square yards, price per square yard, total cost and date when measured of all coal tar concrete and granite blocks laid during the year as follows: Table No. 1, street crossings (new); Table No. 2, street crossings (repairs); Table No. 3, sidewalks (repairs); Table No. 4, street paving (new); Table No. 5, street paving (repairs); Table No. 6, miscellaneous; Table No. 7, summary of tables Nos. 1, 2, 3, 4, 5, and 6.

TABLE No. 1.

STREET CROSSINGS (New).

Street.	Location.	Contractor.	Tar Concrete. Square yds.	Granite blocks, cement joints, square yards.	Per square yard.	Total cost.	Measured.
Central south back	Chestnut, east side	Robie Cons. Con.	10.888	.....	$0.75	$8.17	Aug. 15, 1911
Coolidge Ave. W. B.	North side, at Bremer	" " "	10.89	.....	0.75	8.17	" 15, 1911
Manchester	At School Lane	Connolly & Diamond	.....	14.777	0.20	2.95	Dec. 12, 1911
			21.778	14.777		$19.29	

TABLE No. 2

STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.

Material, Tar Concrete.

Street.	Location.	Square yards.	Per square yard.	Total cost.	Measured.
Elm	West side at West North	6.222	$0 75	$ 4.66	Dec. 19, 1911
Hanover	South side at Maple, east back	16.644	0.75	12.48	" 19, 1911
		22.866		$17.14	

TABLE No. 3.

SIDEWALKS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.

Material, Tar Concrete.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Concord Common....	Diagonal walks, east of Chestnut.....	20.555	$0.30	$6.17	Nov. 21, 1911
Elm.....	At Smith & Dow flats.....	11.111	0.50	5.56	" 21, 1911
Lake avenue.....	North side, Wilson to hall.....	62.000	0.50	31.00	" 21, 1911
Manhattan lane.....	East side Central, southerly.....	11.544	0.30	3.46	Dec. 19, 1911
" "	Southwest corner at Central.....	1.777	0.30	.53	" 19, 1911
River road..... ..	Opposite Stark park, at A. E. Clarke's.....	145.11	0.50	72.55	" 19, 1911
		252.097		$119.27	

TABLE No. 4.

STREET PAVING (New).

Street.	Location.	Contractor.	Measured.	Tar concrete. Sq. yards.	Granite block, cement joints. Sq. yards.	Granite blocks, sand joints. Sq. yards.	Street Railway. Square yards.	Per Sq. Yd.	Total cost.
Elm	Auburn southerly 925 feet	Connolly & Diamond.	Nov. 23, 1911		2,675.128			$0.20	$535.02
"	Auburn southerly 925 ft. bet. rails	"	Dec. 12, 1911		1,611.80		1,611.80	0.60	967.08
"	Auburn southerly 925 ft. east brow	"	"		154.166		154.166	3.25	501.04
"	Prospect to Langdon, west brow and tracks	"	Oct. 11, 1911		317.880		317.880	0.60	190.73
"	Prospect to Langdon	Robie Consolidated Con. Co.	Nov. 21, 1911	633.733				1.00	633.73
"	Prospect to Langdon	"	"	385.000				0.50	192.50
"	Prospect to Langdon (P. G. L. Co.)	"	"	11.666				0.50	5.83
Green	Elm to Elm east back (A. E. Hale)	Connolly & Diamond	Nov. 23, 1911			243.042		0.20	48.61
Lake avenue	Pine to Wilson	"	"			1,146.942	1,146.942	0.30	344.08
" "	Pine to Wilson	City pavers.	"			1,457.039	1,457.039	0.30	437.08
" "	North gutter, Wilson 390.20 feet easterly (cobble and rimrow)	Connolly & Diamond.	"			130.060		0.18	23.41
" "	Belmont westerly 110 feet north and south brows (track blocks)	"	"			36.66	36.66	0.20	7.33
" "	Belmont westerly. north gutter 115 feet (cobble and rimrow)	"	"			40.11		0.18	7.21
" "	Belmont westerly south gutter 72.4 feet (cobble and rimrow)	"	"			24.133		0.18	4.34
Main	Granite to Douglas north back	"	Dec. 2, 1911			729.722		0.20	145.94
"	Granite to Douglas north back	"	"			821.004	821.004	0.30	246.30
"	Granite, junction of double tracks	"	"			30.922	30.922	0.30	9.27
Manhattan lane	Central to Central south back	Robie Consolidated Con. Co.	Dec. 19, 1911	167.263				0.75	125.45
Monadnock lane	School lane easterly	Connolly & Diamond.	Nov. 23, 1911			65.64		0.20	13.13
School lane	Monadnock lane to Manchester	"	"			161.388		0.20	32.28
West Auburn	Elm to Franklin	"	Oct. 19, 1911			874.780		0.20	174.96
" "	Elm to Franklin (J. B. Varick)	"	"		18.22			0.20	3.64
				1,197.662	4,777.194	5,761.442	5,576.413		$4,648.96

TABLE No. 5.

STREET PAVING (Repairs).

STREET.	LOCATION.	Contractor.	Measured.	Material.	Square yards.	Per square yard.	Total cost.
Amherst	Nutfield lane to Elm	Robie Consolidated Con. Co.	May 8, 1911	Tar concrete.	7.800	$0.45	$ 3.51
"	Nutfield lane to Vine	"	" 8, 1911	"	7.392	.60	4.44
"	Union to Walnut	"	" 4, 1911	"	4.663	.60	2.80
"	Union to Walnut	"	" 4, 1911	"	4.394	.45	1.90
Amoskeag	Amoskeag bridge to First	"	" 13, 1911	"	36.533	.60	21.92
"	Amoskeag bridge to First	"	" 13, 1911	"	346.531	.45	155.94
Central	Elm to Chestnut (P. G. L. Co.)	"	" 15, 1911	"	10.067	.60	6.04
"	Elm to Chestnut	"	" 15, 1911	"	2.066	.60	1.24
"	Elm to Chestnut	"	" 15, 1911	"	1.077	.45	.48
Chestnut	Amherst to Concord	"	" 6, 1911	"	37.131	.60	22.28
"	Amherst to Concord	"	Nov. 21, 1911	"	3.611	.35	1.26
"	Hanover to Amherst	"	May 6, 1911	"	4.916	.60	2.95
"	Hanover to Amherst	"	" 6, 1911	"	10 111	.45	4.55
"	Hanover to Manchester (M. S. R. R.)	"	" 27, 1911	"	8.130	.60	4.88
"	Hanover to Manchester (M. S. R. R.)	"	" 27, 1911	"	8.970	.45	4.04
"	Merrimack to Manchester	"	" 6, 1911	"	0.666	.60	.40
"	Manchester to Hanover	"	" 6, 1911	"	12.051	.60	7.23
Concord	Elm to Nutfield lane	"	Nov. 21, 1911	"	8.933	.35	3.13
"	Vine to Nutfield lane	"	May 9, 1911	"	1.233	.60	.74
"	Vine to Nutfield lane	"	" 9, 1911	"	1.870	.45	.84
Dean avenue	Elm to Hampshire lane	"	Aug. 15, 1911	"	101.820	.30	30.54
Elm	Bridge to Pearl	"	May 9, 1911	"	4.833	.45	2.17
"	Bridge to Pearl (M. S. R. R.)	"	" 9, 1911	"	7.222	.45	3.25
"	Bridge to Pearl	"	" 9, 1911	"	71.111	.....	.....
"	Auburn southerly west brow (M. S. R. R.)	Connolly & Diamond	Dec. 12, 1911	Granite blocks sand joints	359.722	.20	71.94
"	South of Grove, tracks and brows (M. S. R. R.)	"	" 12, 1911	"	483.592	.20	96.72
"	Langdon, southerly, west of west brow (M. S. R. R.)	"	Oct. 11, 1911	"	46.660	.20	9.33
"	Langdon, southerly, east of west brow (M. S. R. R.)	"	" 11, 1911	"	120.833	.20	24.17
	Langdon, southerly, west of west track (P. G. L. Co.)	"	" 11, 1911	"	87.500	.20	17.50

Elm	Langdon, southerly, east and west track	Connolly & Diamond	Oct. 11, 1911	Granite blocks sand joints	3.833	$0.20	$ 0.77
"	South of Grove	"	Nov. 23, 1911	"	14.222	.20	2.84
Granite	Second to Main	Robie Consolidated Con. Co.	May 11, 1911	Tar concrete	14 944	.60	8.97
"	Second to Main	"	" 11, 1911	"	33.426	.45	15.04
"	Second to Main	"	" 11, 1911	"	5.911	.60	3.55
"	Turner to Main	"	Nov. 27, 1911	"	12.65	.60	7.15
"	Turner to Main	"	" 27, 1911	"	11.91	.60	9.12
"	Turner to Second	"	May 10, 1911	"	39.273	.60	23.56
"	Turner to Second	"	" 10, 1911	"	18.982	.45	8.54
"	Granite bridge (M. S. R. R.)	Connolly & Diamond	Oct. 26, 1911	Granite blocks cement joints	468.500	.25	117.12
Hampshire lane	Market to Stark	Robie Consolidated Con. Co.	May 8, 1911	Tar concrete	16.276	.60	9.77
"	Market to Stark	"	" 8, 1911	"	2.688	.45	1.22
Hanover	Elm to Nutfield lane (M. W. W.)	"	Aug. 15, 1911	"	2.000	1.000	2.00
"	Elm to Nutfield lane (M. W. W.)	"	May 27, 1911	"	16.650	.60	6.39
"	Nutfield lane to Chestnut	"	" 27, 1911	"	8 570	.45	3.86
"	Chestnut to Pine	"	" 27, 1911	"	3.460	.40	2.07
"	Chestnut to Pine	"	" 27, 1911	"	181.120	.60	81.50
"	In front of K. of C. house (M. W. W.)	"	Aug. 15, 1911	"	2.610	1.00	2.61
"	Union to Beech	"	May 4 1911	"	55.485	.60	33.29
"	Union to Beech	"	" 4, 1911	"	28.591	.45	12.87
Lake avenue	Chestnut to Elm	"	" 8, 1911	"	25.452	.60	15.27
"	Chestnut to Elm (M. W. W.)	"	" 8, 1911	"	2.893	.60	1.74
"	Chestnut to Elm	"	" 8, 1911	"	3.546	.45	1.60
"	Chestnut to Elm (M. W. W.)	"	" 8, 1911	"	5.274	.45	2.73
"	Chestnut to Elm (M. S. R. R.)	"	" 8, 1911	"	1.966	.45	.88
"	Elm to Chestnut	"	Nov. 21, 1911	"	13.622	.50	6.81
Main	Douglas to Conant	"	May 12, 1911	"	6.611	.60	3.97
"	Douglas to Conant	"	" 12, 1911	"	46.983	.45	21.14
"	Putnam to Wayne (M. T. L. & P. Co.)	"	" 12, 1911	"	0.600	.60	.36
"	Putnam to Wayne (M. W. W.)	"	" 12, 1911	"	3.831	.60	2.30
"	Putnam to Wayne	"	" 12, 1911	"	41.016	.45	18.46
"	Putnam to Wayne (M. W. W.)	"	" 12, 1911	"	4.324	.60	2 59
"	Putnam to Wayne	"	" 12, 1911	"	17.234	.45	7.76
Main, South	At M. & N. W. R. R. (B. & M. R. R.)	"	Nov. 27, 1911				
"	At M. & N. W. R. R. (B. & M. R. R.)	Connolly & Diamond	Dec. 2, 1911	"	3.080	.60	1.85
"	Ferry to Walker	Robie Consolidated Con. Co.	May 11, 1911	Granite blocks sand joints	9.660	.20	1.93
"	Ferry to Walker	"	" 11, 1911	Tar concrete	0.888	.60	.53
"	Granite to M. & N. W. R. R.	"	Nov. 27, 1911	"	14.392	.45	6.48
"	Granite to M. & N. W. R. R.	"	" 27, 1911	"	15.200	.60	9.12
"	Granite to School	"	May 11, 1911	"	11.300	.60	6.78
"	Granite to School	"	" 11, 1911	"	8.837	.60	15.30
"	School to Ferry	"	" 11, 1911	"	23.824	.45	10.72
				"	10.050	.60	6.03

STREET PAVING (Repairs).—*Continued.*

Street.	Location.	Contractor.	Measured.	Material.	Square yards.	Per square yard.	Total cost.
Main, South	School to Ferry	Robie Consolidated Con. Co.	May 11, 1911	Tar concrete	6.592	$0.45	$ 2.97
"	Walker to R. R. track	"	" 11, 1911	"	1.447	.45	.65
Manchester	Elm at Hotel Orrington (M. W. W.)	"	Aug. 15, 1911	"	3.280	1.00	3 28
"	South gutter at School lane	Connolly & Diamond	Nov. 23, 1911	Cobble	2.22	.18	.40
Maple	Central to Lake avenue	Robie Consolidated Con. Co.	May 6, 1911	Tar Concrete	3.099	.60	1.86
"	Central to Lake avenue	"	" 6, 1911	"	2.688	.45	1.21
"	Laurel to Central	"	" 6, 1911	"	9.790	.60	5.87
"	Laurel to Central	"	" 6. 1911	"	3.111	.45	1.40
"	Merrimack to Laurel	"	" 6, 1911	"	11.043	.60	6.63
"	Merrimack to Laurel	"	" 6, 1911	"	2.111	.45	.95
Marion	McGregor to Main	"	" 12, 1911	"	12.383	.45	5.57
Merrimack	Beech to Maple	"	" 5, 1911	"	32.947	.60	19.77
"	Beech to Maple	"	" 5, 1911	"	20.534	.45	9.24
"	Beech to Maple (P. G. L. Co.)	"	" 5, 1911	"	1.707	.60	1.02
"	Elm to Chestnut	"	" 6, 1911	"	41.429	.60	24.86
"	Elm to Chestnut	"	" 6, 1911	"	110.622	45	49.78
Nutfield lane	Amherst southerly	"	Aug. 15, 1911	"	44.500	.75	33.37
"	Hanover to Amherst	"	May 8, 1911	"	1.791	.60	1.07
"	Hanover to Amherst	"	" 8, 1911	"	7.40	.45	3.33
Pine	Central to Lake avenue	"	" 27, 1911	"	1.660	.45	.75
Second	At north Bridge	"	Aug. 15, 1911	"	85.097	.60	51.06
"	At south Bridge	"	" 15, 1911	"	214.110	.60	128.47
Union	Amherst to Concord	"	May 3, 1911	"	35.717	.60	21.43
"	Amherst to Concord	"	" 3, 1911	"	15.681	.45	7.06
"	Central to Lake avenue	"	" 8, 1911	"	22.850	.60	13.71
"	Central to Lake avenue	"	" 8, 1911	"	56.118	.45	25.25
"	Concord to Lowell	"	" 3, 1911	"	16.646	.60	9.99
"	Concord to Lowell	"	" 3, 1911	"	7 529	.45	3.39
"	Hanover to Amherst	"	" 3. 1911	"	69.917	.60	41.95
"	Hanover to Amherst	"	" 3, 1911	"	38.333	.45	17.25
"	Laurel to Central	"	" 6, 1911	"	8.900	.60	5.34
"	Laurel to Central	"	" 6, 1911	"	6.822	.45	3.07
"	Laurel to Central	"	" 6, 1911	"	3.123	.60	1.87
"	Laurel to Central	"	" 6, 1911	"	2.694	.45	1.21

Vine	Amherst to Concord	Robie Consolidated Con. Co.	May 9, 1911	Tar concrete	10.512	$0.60	$ 6.31
"	Amherst to Concord	"	" 9, 1911	"	84.600	.45	38.07
West Auburn	Elm, westerly	Connolly & Diamond	Oct. 11, 1911	Granite blocks	163.110	.20	32.62
West Bridge	At Canal bridge	Robie Consolidated Con. Co.	Aug. 15, 1911	Tar concrete	49.610	.525	26.04
West Merrimack	Franklin to Elm	"	May 6, 1911	"	14.312	.60	8.59
"	Franklin to Elm (P. G. L. Co.)	"	" 6, 1911	"	4.800	.60	2.88
					$4,243.957		$1,622.32

TABLE No. 6.

MISCELLANEOUS.—ROBIE CONSOLIDATED CONCRETE COMPANY.

Material, Tar Concrete.

LOCATION.	DESCRIPTION.	Measured.	Square yards.	Per square yard.	Total cost.
Mammoth road	At Isolation hospital, driveway	Nov. 21, 1911	528.666	$0.90	$475.80
"	" " (For Board of Health.)	"	63.483	0.90	57.13
			592.149		$532.93

TABLE No. 7.

SUMMARY OF TABLES Nos. 1, 2, 3, 4, 5 and 6.

DESCRIPTION.	CONTRACTOR.	Table No.	Square yards.	Cost.
Street crossings, new, tar concrete	Robie Consolidated Concrete Co.	1	21.778	$16.34
Street crossings, new, granite blocks, cement joints	Connolly & Diamond	1	14.777	2 94
Street crossings, repairs, tar concrete	Robie Consolidated Concrete Co.	2	22.866	17.14
Sidewalks, repairs, tar concrete	" " "	3	252.097	119.27
Street paving, new, tar concrete	" " "	4	1,197.662	957.51
Street paving, new, granite blocks, cement joints	Connolly & Diamond	4	4,777.194	2,197.51
Street paving, new, granite blocks. sand joints	" "	4	4,304.403	1,056.86
Street paving, repairs, tar concrete	Robie Consolidated Concrete Co.	5	2,484.105	1,246.98
Street paving, repairs, granite blocks, sand joints	Connolly & Diamond	5	1,291.352	258.22
Street paving, repairs, granite blocks, cement joints	" "	5	468.500	117.12
Miscellaneous, tar concrete	Robie Consolidated Concrete Co	6	592 149	532.93
Street paving, new, granite blocks, sand joints	City pavers	4	1,457.039	437.08
			16,883.922	$6,959.90

Abstract Report of the Committee on Streets for the Year 1911.

PERSONNEL OF THE COMMITTEE.

Alderman from Ward 1, Charles W. Richards.
Alderman from Ward 7, Herbert A. Salls.
Alderman from Ward 8, Gustav F. Wenzel, to November 7.
Alderman from Ward 8, Arthur W. Dinsmore, from November 7.
Clerk of the committee, Samuel J. Lord.

Tables Nos. 8, 9, 10, 11, 12, 13, and 14 have been compiled to be used in the annual report of the engineer's department in lieu of citing the record of the committee on streets in detail. The tables give information pertaining to the petitions that have been acted upon by the committee during the year 1911, also highways laid out, discontinued, widened and straightened and grades ordered established by the board of mayor and aldermen during the year.

Table No. 8 is a list of the petitions for new highways that have been acted upon by the committee during the year.

Table No. 9 is a list of the petitions for establishing grades that have been acted upon by the committee during the year.

Table No. 10 is a list of miscellaneous petitions that have been acted upon by the committee during the year.

Table No. 11 is a list of highways that have been laid out by the board of mayor and aldermen during the year.

Table No. 12 is a list of highway grades ordered established by the board of mayor and aldermen during the year.

Table No. 13 is a list of highways that have been discontinued by the board of mayor and aldermen during the year.

Table No. 14 is a list of highways that have been widened and straightened by the board of mayor and aldermen during the year.

Distances are given in feet.

TABLE No. 8.

PETITIONS FOR NEW HIGHWAYS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1911.

Location.	Limits.	Distance.	Width.	Petition of	Date of petition.	Withdrawn.	Granted.
Ash	Salmon to North	475	50	Leander H. Gould	Aug. 21, 1911		Oct. 11, 1911
Bremer	Alsace to Joliette	304	50	Eugene Steinmetz	July 6, 1911		Aug. 7, 1911
Bremer	Joliette to Lafayette	750	50	C. C. Hayes	Feb. 24, 1911	May 2, 1911	
Cartier east back	Sullivan to Putnam	411.87	20	Bertha F. Huot	Mar. 11, 1910		Aug. 7, 1911
Cedar	Lincoln to 125 feet easterly	125	50	Louis Plourde	July 19, 1911		Oct. 11, 1911
Dix	Maple to Lincoln	548.56	50	Moise Bessette	Jan. 20, 1911		May 2, 1911
Edmond	Henriette to Pinard	233.54	50	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Frederick	Wheelock to South Main	272.84	50	Emil Bonness	May 16, 1911		May 31, 1911
Henriette	Manchester-Goffstown town line to 296.83 feet easterly	296.83	50	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Kingston	Harvard to Hayward	601	40	Leighton Machine Co	July 5, 1911		Oct 11, 1911
Montgomery	Kelley to 250 feet northerly	250	50	George Blanchet	Apr. 15, 1911		Aug. 7, 1911
Montgomery east back	Kelley to Bremer	550	20	W. S. Gagnon	July 20, 1911		Oct. 11, 1911
Pennsylvania ave	Hanover to London	786.66	60	J. L. D. Gamache	May 2, 1911		Aug. 7, 1911
Pinard	Manchester-Goffstown town line to 184.10 feet easterly	184.10	70	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Portsmouth ave	Lake ave. to Portsmouth R. R.	1,369.10	50	Henry Payment	May 27, 1911		Oct. 11, 1911
Russell ave	Russell to Linden	400	40	Freeman Higgins	May 11, 1911		May 31, 1911
Salmon	Ash to Maple	270	50	Leander H. Gould	Aug. 2, 1911		Oct. 11, 1911
School lane	Manchester to Merrimack	226	20	J. T. Whittemore	Aug. 19, 1911		Oct. 2, 1911
Westland ave	Brown ave. to Merrimack river	1,862	40	J. Rysyniekiewicz			May 31, 1911
Wilson *	Clay to Vinton	2,273.92	50	Albert Martel	Aug. 19, 1911		
		12,186.42					

* Laid over Oct. 11, 1911.

SUMMARY.

Whole number of highway petitions acted upon	20		Total length of highways petitioned for	12,186.42	
Granted a hearing		18	Granted a hearing		9,162.50
Granted leave to withdraw		1	Granted leave to withdraw		750.00
Laid over		1	Laid over		2,273.92
	20	20		12,186.42	12,186.42

TABLE No. 9.

PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY THE COMMITTEE ON STREETS DURING 1911.

Location.	Limits.	Distance.	Width.	Petition of	Date of Petition.	Withdrawn.	Granted.
Arah	Union to Manchester-Hooksett town line	3,366	50	Jos. A. Bureau	Apr. 17, 1911		Aug. 7, 1911
Ash	Salmon to North	475	50	Leander H. Gould	Aug. 2, 1911		Oct. 11, 1911
Avon	Ingalls to Dickey	307.20	40	Herman Mergner	Apr. 3, 1911		May 31, 1911
Bremer	Alsace to Joliette	200	50	Eugene Steinmetz	July 6, 1911		Aug. 7, 1911
Bremer	Joliette to Lafayette	750	50	C. C. Hayes	Feb. 24, 1911	May 2, 1911	
Cartier east back	Sullivan to Putnam	411.87	20	Bertha F. Huot	Mar. 11, 1910		Aug. 7, 1911
Cedar	Lincoln to 75 feet easterly	75	50	Louis Plourde	July 19, 1911		Oct. 11, 1911
Concord	Pine to Union	460	40	J. A. Murphy	Aug. 10, 1911		Oct. 11 1911
Dix	Maple to Lincoln	518.56	50	Moise Bessette	Jan. 20, 1911		May 2, 1911
Douglas	Main to West	400	40	Ellen E. McKean	Apr. 15, 1911		May 31, 1911
Edmond	Henriette to Pinard	233.54	50	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Erie	South Main to Boynton	1,117	50	John F. Schricker	Oct. 6, 1909		May 2, 1911
Frederick	Wheelock to South Main	222 84	50	Emil Bonness	May 16, 1911		May 31, 1911
Hall road	Lake ave. to Hanover	551.32	50	Robert I. Stevens	Apr. 28, 1911		May 31, 1911
Hanover	Hall road to Highland	1,500	66	L. J. Sanborn	Aug. 24, 1909		Aug. 7, 1911
Henriette	Manchester-Goffstown town line to 296.83 feet easterly	296.83	70	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Highland Park ave	Candia road to Glenwood ave	982.56	50	Ernest Dupuis	May 12, 1911		Aug. 7, 1911
Joliette	Kelley to Amoskeag Mfg. Co.'s line	1,150	50	C. C. Hayes	Feb. 24, 1911	May 2, 1911	
Kingston	Harvard to Hayward	601	40	Leighton Machine Co.	July 5, 1911		Oct. 11, 1911
Laval	Kelley to Amoskeag Mfg. Co.'s line	1,120	50	C. C. Hayes	Feb. 24, 1911	May 2, 1911	
Lincoln	Cedar to Auburn	220	50	Louis Plourde	July 19, 1911		Oct. 11, 1911
Main *	Amory to 525 feet northerly	525	50	A. D. Labrecque	June 6, 1911		Oct. 11, 1911
Montgomery	Kelley to 200 feet northerly	200	50	George Blanchet	Apr. 15, 1911		Aug. 7, 1911
Montgomery east back	Kelley to Bremer	550	20	W. S. Gagnon	July 20, 1911		Oct. 11, 1911
Page	Hanover to Bridge st. extension	2,294	50	Jeremiah J. Toomey	Mar. 6, 1911		May 31, 1911
Pennsylvania ave	Hanover to London	786 66	60	J. L. D. Gamache	May 2, 1911		Aug. 7, 1911
Pinard	Manchester-Goffstown town line to 184.10 feet easterly	184.10	70	Rev. F. X. Leclair	Sept. 29, 1911		Oct. 11, 1911
Pine	Amherst to Concord	300	40	J. A. Murphy	Aug. 10, 1911		Oct. 11, 1911
Portsmouth ave	Lake ave. to Portsmouth R. R.	1,369.10	50	Henry Payment	May 27, 1911		Oct. 11, 1911
Putnam *	Cartier to Rimmon	490	50	Louis Beaudoin	Apr. 3, 1909		May 2, 1911
Russell ave	Russell to Linden	400	40	Freeman Higgins	May 11, 1911		May 31, 1911

TABLE No. 9.—*Continued.*

Location.	Limits.	Distance.	Width.	Petition of	Date of Petition.	Withdrawn.	Granted.
Salmon	Ash to Maple	220	50	Leander H. Gould	Aug. 2, 1911		Oct. 11, 1911
Union	Stark ave. to Arah	1,600	60	Jos. A. Bureau	Apr. 17, 1911		Aug. 7, 1911
Washington	Church to Birch	138.84	30	John M. Byk	Aug. 31, 1911		Oct. 11, 1911
Wayland ave	Mammoth road to Revere ave	541.60	50	John B. Morin	Apr. 15, 1911		May 31, 1911
Wilkins	Mast road to Rockland ave.	1,353	50	H. L. & S. F. Kimball	Mar. 28, 1911		May 31, 1911
Wilson †	Clay to Vinton	2,223.92	50	Albert Martel	Aug. 19, 1911		
		28,164.94					

* Changing grade.
† Laid over Oct. 11, 1911.

SUMMARY.

Whole number of grade petitions acted upon	37		Total length of highway grades petitioned for	28,164.94	
Granted a hearing		33	Granted a hearing		22,921.02
Granted leave to withdraw		3	Granted leave to withdraw		3,020.00
Laid over		1	Laid over		2,223.92
	37	37		28,164.94	28,164.94

TABLE No. 10.

MISCELLANEONS PETITIONS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1911.

Location.	Limits.	Distance.	Width.	Petition of	Date of petition.	Granted.
Hall road (a)	Lake avenue to Hanover	551 32	50	Robert I. Stevens	Apr. 28, 1911	May 31, 1911
Young (b)	Somerville to Porter	860.00	49.5	William H. Huse	May 24, 1911	Aug. 7, 1911
		1,411.32				

a. Widening and straightening.
b. Discontinuance.

TABLE No. 11.

HIGHWAYS LAID OUT IN 1911 BY THE BOARD OF MAYOR AND ALDERMEN.

Location.	Limits.	Length.	Width.	Laid out.	Petition of	Date of petition.	Hearing recommended.
Ash	Salmon to North	475	50	Nov. 31, 1911	Leander H. Gould	Aug. 2, 1911	Oct. 11, 1911
Bremer	Alsace to Joliette	300	50	Oct. 6, 1911	Eugene Steinmetz	July 6, 1911	Aug. 7, 1911
Cartier east back	Sullivan to Putnam	411.87	20	Oct. 6, 1911	Bertha Huot	Mar. 11, 1910	Oct. 6, 1911
Cressey lane	Monroe to 63.49 feet southerly	63.49	24	Dec. 22, 1911	Daniel S. Kimball	Dec. 4, 1911	To M. & Ald.
Dix	Maple to Lincoln	548.56	50	July 7, 1911	Moise Bessette	Jan. 20, 1911	May 2, 1911
Edmond	Henriette to Pinard	2 3 54	50	Nov. 3, 1911	Rev. F. X. Leclair	Sept. 29, 1911	Oct. 11, 1911
Frederick	Wheelock to South Main	272 84	50	July 7, 1911	Emil Bonness	May 16, 1911	May 31, 1911
Henriette	Manchester - Goffstown town line to 296.83 feet easterly	296.83	50	Nov. 3, 1911	Rev. F. X. Leclair	Sept. 29, 1911	Oct. 11, 1911
Kingston	Harvard to Hayward	601.00	40	Nov. 3, 1911	Leighton Machine Co.	July 5, 1911	Oct. 11, 1911
Maryland avenue	Hanover to Bridge st. extension	2,217.56	50	Apr. 28, 1911	Anthony L. Frye	Aug. 3, 1910	Oct. 25, 1910
Montgomery	Kelley to 250 feet northerly	250.00	50	Oct. 6, 1911	George Blanchet	Apr. 15, 1911	Aug. 7, 1911
Montgomery east back	Kelley to Bremer	550.00	50	Nov. 17, 1911	W. S. Gagnon	July 20, 1911	Oct. 11, 1911
Pennsylvania avenue	Hanover to London	786.66	60	Oct. 6, 1911	J. L. D. Gamache	May 2, 1911	Aug. 7, 1911
Pinard	Manchester - Goffstown town line to 184.10 feet easterly	184.10	70	Nov. 3, 1911	Rev. F. X. Leclair	Sept. 29, 1911	Oct. 11, 1911
Salmon	Ash to Maple	270.00	50	Nov. 3, 1911	Leander H. Gould	Aug. 2, 1911	Oct. 11, 1911
School lane	Manchester to Monadnock lane	100.00	20	Sept. 6, 1911	John T. Nixon	Aug. 5, 1911	To M. & Ald.
		7,561.45					

TABLE No. 12.

HIGHWAY GRADES ORDERED ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN IN 1911.

Location.	Limits.	Distance.	Width	Petition of	Date of Petition.	Ordered Passed.
Arah	Union to Manchester-Hooksett town line	3,366.00	50	Jos. A. Bureau	April 17, 1911	Oct. 6, 1911
Avon	Ingalls to Dickey	307.20	40	Herman Mergner	" 3, 1911	July 7, 1911
Ash	Salmon to North	475.00	50	Leander H. Gould	Aug. 2, 1911	Nov. 3, 1911
Bremer	Alsace to Joliette	200.00	50	Eugene Steinmetz	July 6, 1911	Oct. 6, 1911
Cartier east back	Sullivan to Putnam	411.87	20	Bertha Huot	March 11, 1910	" 6, 1911
Concord	Pine to Union	460.00	40	J. A. Murphy	Aug. 10, 1911	Nov. 3, 1911
Cressey lane	Monroe to 63.49 feet southerly	63.49	24	Daniel S. Kimball	Dec. 4, 1911	Dec. 22, 1911
Dix	Maple to Lincoln	548.56	50	Moise Bessette	Jan. 20, 1911	July 7, 1911
Douglas	Main to West	400.00	40	Ellen E. McKean	April 15, 1911	" 7, 1911
Edmond	Henriette to Pinard	233.54	50	Rev. F. X. Leclair	Sept. 29, 1911	Nov. 3, 1911
Elm *	South of Baker, southerly	950.00	100	Harry P. Ray, Admr.	Aug. 10, 1901	Aug. 14, 1911
Erie	South Main to Boynton	1,117.00	50	John F. Schricker	Oct. 6, 1909	July 7, 1911
Frederick	Wheelock to South Main	222.84	50	Emil Bonness	May 16, 1911	" 7, 1911
Hall road	Lake avenue to Hanover	551.32	50	Robert I. Stevens	April 28, 1911	Nov. 3, 1911
Hanover	Hall road to Highland	1,500.00	66	L. J. Sanborn	Oct. 24, 1909	Oct. 6, 1911
Henriette	Manchester-Goffstown town line to 296.83 feet easterly	296.83	50	Rev. F. X. Leclair	Sept. 29, 1911	Nov. 3, 1911
Highland Park avenue	Candia road to Glenwood avenue	982.56	50	Ernest Dupuis	May 12, 1911	Oct. 6, 1911
Kingston	Harvard to Hayward	601.00	40	Leighton Machine Co	July 5, 1911	Nov. 3 1911
Lincoln	Cedar to Auburn	220.00	50	Louis Plourde	" 19, 1911	" 3, 1911
Maryland avenue	Hanover to Bridge street extension	2,217.56	50	Anthony L. Frye	Aug. 3, 1910	Apr. 28, 1911
Montgomery	Kelley to 200 feet northerly	200.00	50	George Blanchet	April 15, 1911	Oct. 6, 1911
Montgomery east back	Kelley to Bremer	550.00	50	W. S. Gagnon	July 20, 1911	Nov. 17, 1911
Page	Hanover to Bridge street extension	2,294.00	50	Jeremiah K. Toomey	March 6, 1911	July 7, 1911
Pennsylvania avenue	Hanover to London	786.00	66	J. L. D. Gamache	May 2, 1911	Oct. 6, 1911
Pinard	Manchester-Goffstown town line to 184.10 feet easterly	184.10	70	Rev. F. X. Leclair	Sept. 29, 1911	Nov. 3, 1911
Pine	Amherst to Concord	300.00	40	J. A. Murphy	Aug. 10, 1911	" 3, 1911
Putnam †	Cartier to Rimmon	490.00	50	Louis Beaudoin	April 3, 1909	July 7, 1911
Salmon	Ash to Maple	220.00	50	Leander H. Gould	Aug. 2, 1911	Nov. 3, 1911
School lane	Manchester to Monadnock lane	100.00	20	John T. Nixon	" 5, 1911	Sept. 6, 1911
Union	Valley to Bell	220.00	50	J. Stratton	" 30, 1911	Oct. 6, 1911
Union	Stark avenue to Arah	1,600.00	60	Jos. A. Bureau	April 17, 1911	" 6, 1911
Valley	Pine to Union	450.00	50	J. Stratton	Aug. 30, 1911	" 6, 1911
Washington	Church to Birch	138.84	30	John M. Byk	" 31, 1911	Nov. 3, 1911
Wayland avenue	Mammoth road to Revere avenue	541.60	50	John B. Morin	April 15, 1911	July 7, 1911
Wilkins	Mast road to Rockland avenue	1,353.00	50	H. L. & S. F. Kimball	March 28, 1911	" 7, 1911
		24,553.97				

*Changing grade. † Grade set August 14, 1911.

TABLE No. 13.

HIGHWAYS DISCONTINUED IN 1911 BY THE BOARD OF MAYOR AND ALDERMEN.

LOCATION.	LIMITS.	Distance.	Width.	Discontinued.	Petition of	Date of Petition.	Hearing Recommended.
Euclid avenue	Monroe southerly	55	24.9 38.63	Dec. 22, 1911	Daniel S. Kimball	Dec. 4, 1911	To M. and Ald.
Monadnock lane	Union to 80 feet easterly	80	20	Oct. 6, 1911	John T. Nixon	Aug. 5, 1911	To M. and Ald.
Nutt road	Elm to Willow	270	49.5	Dec. 22, 1911	Amoskeag Mfg. Co.	Dec. 1, 1911	To M. and Ald.
Young	Somerville to Porter	860	49.5	Oct. 6, 1911	Wm. H. Huse	May 24, 1911	Aug. 7, 1911
		1,265					

TABLE No. 14.

HIGHWAY WIDENED AND STRAIGHTENED IN 1911 BY THE BOARD OF MAYOR AND ALDERMEN.

LOCATION.	LIMITS.	Distance.	Width.	Date of action	Petition of	Date of Petition.	Hearing Recommended.
Hall road	Lake avenue to Hanover	551.32	50	Mar. 3, 1911	Robert I. Stevens	Apr. 28, 1911	May 31, 1911
		551.32					

Abstract Report of the Committee on Sewers and Drains for the Year 1911.

PERSONNEL OF THE COMMITTEE.

Alderman from Ward 8, Gustav F. Wenzel, chairman, to November 7.

Alderman from Ward 8, Arthur W. Dinsmore, chairman, from November 7.

Alderman from Ward 10, Peter J. Charron.

Alderman from Ward 9, Stephen T. Martel.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 15, 16, 17, 18, 19, 20, and 21 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on sewers and drains in detail. The tables give information pertaining to the petitions, orders for sewers passed by the city councils, sewers built and not built up to January 1, 1912.

Table No. 15 is a list of petitions that have been acted upon during the year, also the manner in which and date when each petition was acted upon and disposed of by the committee.

Table No. 16 is a list of sewers ordered in up to January 1, 1911, giving the distance built, distances built in excess of order, and distances remaining unbuilt up to January 1, 1912.

Table No. 17 is a list of sewers ordered built during the year 1911, giving distances built, distances ordered in, that are unnecessary, and distances remaining unbuilt up to January 1, 1912.

Table No. 18 is a list of sewers built in 1911 not ordered in by the board of mayor and aldermen.

Table No. 19 is a list of pipe removed where sewers have been rebuilt.

Table No. 20 is a list of sewers ordered in but not built up to January 1, 1912. The table is compiled from the first, second, fourth, and eighth columns of tables Nos. 15 and 16.

Table No. 21 is a summary of Tables Nos. 15 and 16.

TABLE No. 15.

PETITIONS ACTED UPON BY THE COMMITTEE ON SEWERS AND DRAINS DURING THE YEAR 1911

Location.	Limits.	Distance.	Petition of	Date of Petition.	Granted.
Bell	Second to Hale	295	Therese Lange	June 1, 1911	July 24, 1911
Boutwell	Kelley southerly 250 feet	250	Barnet Kavesh	Feb. 1, 1907	Oct. 10, 1911
"	Kelley northerly 1000 feet	1,000	H. J. Roberts	March 25, 1911	" 10, 1911
Dix	Maple to Lincoln	598	Moise Bessette	May 1, 1911	July 24, 1911
Highland	Lowell to East High	364	Edgar A. Thayer	June 8, 1911	" 24, 1911
Joliette*	North of Kelley northerly 500 feet	500	H. J. Roberts	March 25, 1911	Oct. 10, 1911
Kelley	Laval to Boutwell	250	Barnet Kavesh	Feb. 1, 1907	" 10, 1911
Laval	Kelley northerly 1000 feet	1,000	H. J. Roberts	March 25, 1911	" 10, 1911
Mammoth road	North of Nelson to Hanover	1 564	Robert I. Stevens	April 1, 1911	June 1, 1911
Merrimack	Cass easterly 150 feet	150	C. E. McCarthy	May 13, 1911	" 1, 1911
Ray	Carpenter to Trenton	528	Charles M. Floyd	Aug. 3, 1911	Aug. 17, 1911
Russell	Blodget to Sagamore	541	Freeman Higgins	Sept. 13, 1911	Oct. 10 1911
Second	Bell southerly	60	Therese Lange	June 1, 1911	July 24, 1911
Taylor	Dix to Cilley road	574	George Hanson	May 10, 1911	June 1, 1911
Valley	East of Jewett to Massabesic	645	John H. Winters	Aug. 11, 1911	Oct. 10, 1911
Wayland avenue*	Mammoth road easterly 200 feet	200	John B. Morin	April 18, 1911	July 24, 1911
Woodbine avenue	Longwood avenue to Candia road	416	Emilien Rouillard	March 13, 1911	June 1, 1911
		8,935			

* Laid over June 1.

TABLE No. 16.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1912.

Location.	Limits.	Distance.	Date of Order.	Built During 1911.		Not Needed. Distance.	Not Built. Distance.
				Distance.	Excess.		
Adams	Carpenter to Trenton	531	Dec. 19, 1902				531
Agawam	River road to Davis	240	" 6, 1910	166			74
Ainsworth avenue	Hayward to Young	155	May 31, 1905				155
Amherst	Union to Ashland	2,600	" 2, 1893				2,600
Albert	Harrison to Brook	366	Jan. 23, 1906				366
Amory	Alsace to Joliette	60	Oct. 7, 1902				60
Amory	Congress to Kimball	450	Dec. 6, 1910				450
Auburn	Cypress, easterly	300	May 2 1899				300
Auburn south back	Hall, easterly	150	Jan. 7, 18 6				150
Baker	Elm to Calef road	486	Aug. 3, 1909				486
Bartlett	Sullivan, southerly	127	Mar. 6, 1906				127
Bay	Clarke to Carpenter	683	April 14, 1903				683
Beacon	Concord to Lowell	161	Dec. 6, 1910				161
Beech	Harvard to Hayward	144	Oct. 4, 1898	144			
Beech	Somerville to Shasta	192	Nov. 23, 1906				192
Beech	Bridge to Orange	573	Dec. 6, 1900				573
Belmont	Old Bridge to Bridge	200	Jan. 7, 1896				200
Blaine	Second to Hiram	228	Dec. 6, 1892				228
Blaine	Second to Third	107	May 2, 1905				107
Bowman	Mast to Milford	455	Oct. 7, 1902				455
Bridge	Beacon to Weston	54	July 25, 1902			54	
Bridge	Weston to Highland	550	April 24, 1907	551	1		
Brook	Maple to Oak	192	June 2, 1907				192
Byron	Brown avenue to Josselyn	1,030	Sept. 27, 1909	555			475
Calef road	Baker, northerly	49	June 4, 1901				49
Cedar south back	Beech, westerly	175	May 5, 1896				175
Cedar south back	Maple to Lincoln	96	" 13, 1903				96
Central	Milton to Beacon	307	Sept. 6, 1898				307
Central south back	Chestnut to Union	860	July 9, 1901	46			814
Chester	Lincoln to Ashland	277	" 5, 1904				277
Chestnut	Carpenter to Trenton	147	Oct. 7, 1902				147
Clarke	Elm to Chestnut	290	April 14, 1903				290
Clay	Union to Beech	492	Nov. 27, 1908				492
Clay	Lincoln to Wilson	232	July 21, 1908				232
Clay	Taylor to Cyyress	246	" 21, 1908				246
Colby	West Hancock to Log	270	June 12, 1906				270

Columbus	Amory, southerly	128	July 26, 1899				128
Concord	Pine east back to Union	152	Sept. 12, 1899				152
Concord	Dutton, westerly	97	Feb. 2, 1904				97
Concord	Hall, easterly	86	Sept. 6, 1887				86
Concord	Weston to Hubbard	101	Sept. 27, 1905				101
Cumberland	Amory to Monitor	156	Aug. 3, 1909				156
Cumberland	Amory to Monitor	650	Dec. 6. 1910				650
Dix	Lincoln to Wilson	670	" 6, 1910				670
Dix	Wilson to Hall	89	Sept. 27, 1905				89
Dix	Taylor to Cypress	442	July 15, 1904				442
Dover	Clinton, northerly	160	Sept. 4, 1894				160
Dutton	Concord, easterly	300	Feb. 2, 1904				300
Elm	Railroad bridge to Elm avenue	1,285	May 6, 1890				1,285
Elm	Monroe south back to Clarke	707	June 4, 1895	252	144		599
Elm	Trenton to Rowell	448	Feb. 4, 1896				448
Foster avenue	Valley to Hayward	140	July 14, 1896				140
Front	Eddy to north of hotel	2,800	Sept. 5, 1893				2,800
George	North of Milford to Charleston avenue	32	Oct. 7, 1902				32
Grove south back	Wilson, easterly	200	Nov. 2, 1897				200
Hall	Clay to Dix	250	Dec. 19, 1902				250
Hall	Lowell to East High	143	July 25, 1902				143
Hall road	Massabesic to Nelson	601	Aug. 5, 1898				601
Hale	Schiller, southerly	450	Nov. 9, 1894				450
Harrison	Linden, easterly	52	" 23, 1906				52
Harrison	Maple to Oak	350	Oct. 3, 1899				350
Harrison	East of Linden to Hall	577	Dec. 6, 1910				577
Harrison	Belmont, westerly	65	Sept. 1, 1896				65
Harvard	Lincoln to Wilson	670	Dec. 6, 1910				670
Harvell	Hale to South Main	700	Nov. 9, 1894				700
Hayward	Beech to Maple	650	Dec. 6, 1910	508			142
Hayward	Ainsworth avenue to Cypress	148	Sept. 7, 1897				148
Hayward	Maple to Lincoln	389	May 17, 1906				389
Hayward	Union, easterly	85	Feb. 5, 1907				85
Hevey east back	Wayne, northerly.	146	Jan. 7, 1896	144		2	
Hevey east back	South of Amory to Columbus avenue	396	July 10, 1893				396
Hevey east back.	Kelley to Bremer	184	June 4, 1901	184			
High, East	Beacon to Weston	192	July 5, 1904				192
High, East	Highland to Jewett	332	Dec. 6, 1910				332
Hillside avenue	Milford, southerly 176 feet	176	" 6, 1910	188	12		
Hosley	Grove to Summer	116	June 26, 1903				116
Hospital avenue	Chase avenue to Massabesic	142	Sept. 14, 1904				142
Huntress	Prince to McDuffie	163	Nov. 3, 1903				163
Huntress	McDuffie to Bank	240	Dec. 6, 1910				240
Jones	Nelson to Benton	285	Aug. 5, 1898				285
Josselyn	Byron to Varney	150	Sept. 27, 1909				150
Knowlton	Hayward, southerly	67	Nov. 23, 1906				67
Knowlton	Hayward, southerly	492	July 21, 1908				492

TABLE No. 16—*Continued.*

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1912.

Location.	Limits.	Distance.	Date of Order.	Built During 1911.		Not Needed. Distance.	Not Built. Distance.
				Distance	Excess.		
Lincoln	Harvard to Silver	306	Dec. 6. 1910				306
Lincoln	Silver to Clay	248	July 21, 1908				248
Main, South	Schiller to Allen	1,340	Dec. 4, 1900	568		772	
Mammoth road	Hayward to No. 155	15	May 17, 1906	15			
Mammoth road	No. 155 to Young	818	Nov. 27, 1908	185			633
Mammoth road	Massabesic to Nelson	32	May 2, 1899				32
Mammoth road	Nelson, northerly	500	Aug. 5, 1898				500
Maple	Prospect to Harrison	99	Oct. 19, 1905				99
Massabesic	Hall road to Mammoth road	831	Mar. 2, 1899				831
Mast	Rochelle avenue to Brock	176	Dec. 31, 1901				176
Merrill	Jewett, easterly	34	June 5, 1900				34
Montgomery east back	Kelley to Bremer	309	Dec. 31, 1901	159			150
Oakland avenue	Revere avenue to Woodland avenue	1,070	" 13, 1905				1,070
Orange	Belmont, westerly	65	Feb. 4, 1896	78	13		
Pine	Silver to Plummer	320	Oct. 3 1899				320
Pine east back	South of Concord to Concord	160	Sept. 12, 1899				160
Prescott	Maple, easterly	21	June 26. 1903				21
Prescott	Hall, westerly	80	Oct. 1, 1907				80
Prospect	Hall, easterly	100	Sept. 3, 1895				100
Reed east back	Amory to Kelley	104	Oct. 1, 1907				104
Riley avenue	South of Hayward southerly 150 feet	75	Aug. 3, 1909				75
Rimmon	South of Wayne to Putnam	164	" 6, 1901				164
Rimmon east back	Kelley to Mason	800	Sept. 7, 1897				800
Russell	South of Blodget to Sagamore	770	Oct. 3, 1899				770
Sagamore	Chestnut to Pine	362	July 31, 1903	68			294
Sagamore	Linden easterly 150 feet	50	Sept. 7, 1909				50
Salmon	Beech to Ash	126	" 7, 1909				126
Schiller	Hale to South Main	708	Nov. 10, 1896				708
Shasta	Maple to Lincoln	600	Dec. 6, 1910				600
Somerville	Union to Maple	512	Aug. 2, 1898				512
Somerville	Hall to west of Cypress	184	Dec. 19, 1902				184
Somerville	Jewett, easterly 250 feet	250	Aug. 3, 1909				250
Spruce, East	Kenney, westerly	95	April 2, 1907				95
Sullivan	Thornton, westerly 500 feet	500	June 7, 1910	354			146
Summer	Hall to Belmont	247	" 27, 1910				247
Sylvester	Milford to Avon	546	July 26, 1899	539		7	
Taylor	South of Valley southerly	75	Oct 2, 1900				75

Thornton	Wayne to Putnam	155	Mar. 6, 1906				155
Union	Clarke to Trenton	180	July 2, 1895				180
Union	Trenton, northerly	461	Oct. 7, 1902				410
Union east back	South of Christian Brook, southerly	50	Aug. 6, 1895				50
Valley	Cypress, westerly	133	Jan. 4, 1897				133
Valley	Elm to Wilson	2,396	Nov. 7, 1893				2,396
Varney	Josselyn to Merrimack river	550	Sept. 27, 1909				550
Walnut	Salmon, southerly	105	Jan. 29, 1897				105
Walnut	Webster, northerly	168	July 31, 1903				168
Walnut east back	Salmon, northerly	88	Nov. 10, 1896				88
Warner	Wilkins, southerly 150 feet	24	Aug. 3, 1909				24
Weston	Bridge to Lowell	687	Dec. 6, 1910				687
William	Milford to Mast	522	Oct. 3, 1893				522
Willow	Silver to Baker	100	Dec. 4, 1900				100
Youville	Kelley, northerly 200 feet	92	Aug. 15, 1910				92
		48,672		4,704	170	835	43,303

TABLE No. 17.

SEWERS ORDERED IN DURING THE YEAR 1911.

Location.	Limits.	Distance.	Date of Order.	Built During 1911.		Not Needed.	Not Built.
				Distance.	Excess.	Distance.	Distance.
Bell	Second to Hale	295	Aug. 14, 1911				295
Boutwell	Kelley, southerly 250 feet	250	Nov. 7, 1911			232*	18
Boutwell	Kelley, northerly 1000 feet	1,000	Nov. 7, 1911	600			400
Dix	Maple to Lincoln	598	Aug. 14, 1911				598
Highland	Lowell to East High	364	Aug. 14, 1911	290			74
Kelley	Laval to Boutwell	250	Nov. 7, 1911			250*	
Laval	Kelley, northerly 1000 feet	1,000	Nov. 7, 1911				1,000
Mammoth road	North of Nelson to Hanover	1 564	June 26, 1911				1,564
Merrimack	Cass, easterly 150 feet	150	June 26, 1911	152	2		
Ray	Carpenter to Trenton	528	Sept. 18, 1911	50			478
Russell	Blodget to Sagamore	541	Nov. 7, 1911				541
Second	Bell southerly	60	Aug. 14, 1911				60
Taylor	Dix to Cilley road	574	June 26, 1911				574
Valley	East of Jewett to Massabesic	645	Nov. 7, 1911				645
		8,235		1,092	2	557	6,588

* Built in 1910.

TABLE No. 18.

SEWERS BUILT IN 1911 WITHOUT AN ORDER.

Location.	Limits.	Distance.
Avon	Sylvester, southerly	52
Belmont	Orange, northerly	122
Boynton*	McDuffie to Bank	264
Bremer	Hevey east back, westerly	192
Byron	B. & M. R. R. to Merrimack river	515
Chestnut east back	Sagamore, northerly	274
Concord	Pine, easterly	100
Elm†	At Summer, Green and Grove	108
Hall	Harvard, southerly	142
Highland	Bridge to East High	322
Lake avenue‡	Pine, easterly	72
Lowell	East of Hall, easterly	39
Main, South§	Balch avenue, southerly	153
McDuffie	South Main to Boynton	289
Orchard avenue	Glenwood avenue to Oakland avenue	413
River Road	North of Park avenue, northerly	838
Spruce, East¶	Belmont, westerly	82
Third*	Bath, northerly	40
Walnut east back	Lowell, northerly	435
Wayne*	McGregor to Main	265
Woodland avenue	Glenwood avenue, northerly	179
		4,866

* Relaid.
† Leaders.
‡ For cesspools.
§ Top sewer.
¶ Overflow sewer.

TABLE No. 19.

PIPE REMOVED WHERE SEWERS HAVE BEEN RELAID.

Location.	Limits.	Pipe Removed.			Pipe Laid.		
		Material.	Size in inches.	Length in feet.	Material.	Size in inches.	Length in feet.
Boynton	McDuffie to Bank	Akron	12	264	Akron.	20	264
Central south back	Union, westerly	Cement	12	46	"	10	46
Elm	Monroe south back, northerly	Akron	8	144	"	10	144
Third	Bath, northerly	Old Port	12	40	"	12	40
Walnut east back	Concord to Lowell	Earthen	10	43	"	10	43
Walnut east back	Concord to Lowell	Cement	9	250	"	12	250
Walnut east back	Concord to Lowell	Cement	9	142	"	10	142
Wayne	McGregor to Main	Akron	15	151	"	15	151
Wayne	McGregor to Main	Akron	15	114	"	12	114
				1,194			1,194

TABLE No. 20.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1912.

Location.	Limits.	Distance.	Date of Order.
Adams	Carpenter to Trenton	531	Dec. 19, 1902
Agawam	River road to Davis	74	Dec. 6, 1910
Ainsworth avenue	Hayward to Young	155	Mar. 31, 1905
Amherst	Union to Ashland	2,600	May 2, 1893
Albert	Harrison to Brook	366	Jan. 23, 1906
Amory	Alsace to Joliette	60	Oct. 7, 1902
Amory	Congress to Kimball	450	Dec. 6, 1910
Auburn	Cypress, easterly	300	May 2, 1899
Auburn south back	Hall, easterly	150	Jan. 7, 1896
Baker	Elm to Calef road	486	Aug. 3, 1909
Bartlett	Sullivan, southerly	127	Mar. 6, 1906
Bay	Clarke to Carpenter	683	Apr. 14, 1903
Beacon	Concord to Lowell	161	Dec. 6, 1910
Beech	Somerville to Shasta	192	Nov. 23, 1906
Beech	Bridge to Orange	573	Dec. 6, 1900
Bell	Second to Hale	295	Aug. 14, 1911
Belmont	Old Bridge to Bridge	200	Jan. 7, 1896
Blaine	Second to Hiram	228	Dec. 6, 1892
Blaine	Second to Third	107	May 2, 1905
Boutwell	Kelley, southerly	18	Nov. 7, 1911
Boutwell	Kelley, northerly	400	Nov. 7, 1911
Bowman	Mast to Milford	455	Oct. 7, 1902
Brook	Maple to Oak	192	June 2, 1907
Byron	Brown avenue to Josselyn	475	Sept. 27, 1909
Calef road	Baker, northerly	49	June 4, 1901
Cedar south back	Beech, westerly	175	May 5, 1896
Cedar south back	Maple to Lincoln	96	May 13, 1903
Central	Milton to Beacon	307	Sept. 6, 1898
Central south back	Chestnut to Union	814	July 9, 1901
Chester	Lincoln to Ashland	277	July 5, 1904
Chestnut	Carpenter to Trenton	147	Oct. 7, 1902
Clarke	Elm to Chestnut	290	Apr. 14, 1903
Clay	Union to Beech	492	Nov. 27, 1908
Clay	Lincoln to Wilson	232	July 21, 1908
Clay	Taylor to Cypress	246	July 21, 1908
Colby	West Hancock to Log	270	June 12, 1906
Columbus	Amory, southerly	128	July 26, 1899
Concord	Pine east back to Union	152	Sept. 12, 1899
Concord	Dutton, westerly	97	Feb. 2, 1904
Concord	Hall, easterly	86	Sept. 6, 1887
Concord	Weston to Hubbard	101	Sept. 27, 1905
Cumberland	Amory to Monitor	156	Aug. 3, 1909
Cumberland	Amory to Monitor	650	Dec. 6, 1910
Dix	Maple to Lincoln	598	Aug. 14, 1911
Dix	Lincoln to Wilson	670	Dec. 6, 1910
Dix	Wilson to Hall	89	Sept. 27, 1905
Dix	Taylor to Cypress	442	July 15, 1904
Dover	Clinton, northerly	160	Sept. 4, 1894
Dutton	Concord, easterly	300	Feb. 2, 1904
Elm	Railroad bridge to Elm avenue	1,285	May 6, 1890
Elm	Monroe south back to Clarke	599	June 4, 1895
Elm	Trenton to Rowell	448	Feb. 4, 1896
Foster avenue	Valley to Hayward	140	July 14, 1896
Front	Eddy to north of hotel	2,800	Sept. 5, 1893
George	North of Milford to Charleston av.	32	Oct. 7, 1902
Grove south back	Wilson, easterly	200	Nov. 2, 1897
Hall	Clay to Dix	250	Dec. 19, 1902
Hall	Lowell to East High	143	July 25, 1902
Hall road	Massabesic to Nelson	601	Aug. 5, 1898
Hale	Schiller, southerly	450	Nov. 9, 1894
Harrison	Linden, easterly	52	Nov. 23, 1906
Harrison	Maple to Oak	350	Oct. 3, 1899
Harrison	East of Linden to Hall	577	Dec. 6, 1910
Harrison	Belmont, westerly	65	Sept. 1, 1896
Harvard	Lincoln to Wilson	670	Dec. 6, 1910
Harvell	Hale to South Main	700	Nov. 9, 1894

TABLE. No. 20.—*Continued.*

Location.	Limits.	Distance.	Date of order.
Hayward	Beech to Maple	142	Dec. 6, 1910
Hayward	Ainsworth avenue to Cypress	148	Sept. 7, 1897
Hayward	Maple to Lincoln	389	May 17, 1906
Hayward	Union, easterly	85	Feb. 5, 1907
Hevey east back	South of Amory to Columbus ave	396	July 10, 1893
High, East	Beacon to Weston	192	July 5, 1904
High, East	Highland to Jewett	332	Dec. 6, 1910
Highland	Lowell to East High	74	Aug. 14, 1911
Hosley	Grove to Summer	116	June 26, 1903
Hospital avenue	Chase avenue to Massabesic	142	Sept. 14, 1904
Huntress	Prince to McDuffie	163	Nov. 3, 1903
Huntress	McDuffie to Bank	240	Dec. 6, 1910
Jones	Nelson to Benton	285	Aug. 5, 1898
Josselyn	Byron to Varney	150	Sept. 27, 1909
Knowlton	Hayward, southerly	67	Nov. 23, 1906
Knowlton	Hayward, southerly	492	July 21, 1908
Laval	Kelley, northerly	1,000	Nov. 7, 1911
Lincoln	Harvard to Silver	306	Dec. 6, 1910
Lincoln	Silver to Clay	248	July 21, 1908
Mammoth road	No. 155 to Young	633	Nov. 27, 1908
Mammoth road	Massabesic to Nelson	32	May 2, 1899
Mammoth road	Nelson, northerly	500	Aug. 5, 1898
Mammoth road	North of Nelson to Hanover	1,564	June 26, 1911
Maple	Prospect to Harrison	99	Oct. 19, 1905
Massabesic	Hall road to Mammoth road	831	Mar. 2, 1899
Mast	Rochelle avenue to Brock	176	Dec. 31, 1901
Merrill	Jewett, easterly	34	June 5, 1900
Montgomery E. back	Kelley to Bremer	150	Dec. 31, 1901
Oakland avenue	Revere avenue to Woodland avenue	1,070	Dec. 13, 1905
Pine	Silver to Plummer	320	Oct. 3, 1899
Pine east back	South of Concord to Concord	160	Sept. 12, 1899
Prescott	Maple, easterly	21	June 26 1903
Prescott	Hall, westerly	80	Oct. 1, 1907
Prospect	Hall, easterly	100	Sept. 3, 1895
Ray	Carpenter to Trenton	478	Sept. 18, 1911
Reed east back	Amory to Kelley	104	Oct. 1, 1907
Riley avenue	South of Hayward southerly 150 feet	75	Aug. 3, 1909
Rimmon	South of Wayne to Putnam	164	Aug. 6, 1901
Rimmon east back	Kelley to Mason	800	Sept. 7, 1897
Russell	South of Blodget to Sagamore	770	Oct. 3, 1899
Russell	Blodget to Sagamore	541	Nov. 7, 1911
Sagamore	Chestnut to Pine	294	July 31, 1903
Sagamore	Linden, easterly 150 feet	50	Sept. 7, 1909
Salmon	Beech to Ash	126	Sept. 7, 1909
Schiller	Hale to South Main	708	Nov. 10, 1896
Second	Bell, southerly	60	Aug. 14, 1911
Shasta	Maple to Lincoln	600	Dec. 6, 1910
Somerville	Union to Maple	512	Aug. 2, 1898
Somerville	Hall to west of Cypress	184	Dec. 19, 1902
Somerville	Jewett, easterly 250 feet	250	Aug. 3, 1909
Spruce, East	Kenney, westerly	95	Apr. 2, 1907
Sullivan	Thornton, westerly 500 feet	146	June 7, 1910
Summer	Hall to Belmont	247	June 27, 1910
Taylor	South of Valley, southerly	75	Oct. 2, 1900
Taylor	Dix to Cilley road	574	June 26, 1911
Thornton	Wayne to Putnam	155	Mar. 6, 1906
Union	Clarke to Trenton	180	July 2, 1895
Union	Trenton, northerly	401	Oct. 7, 1902
Union east back	South of Christian brook, southerly	50	Aug. 6, 1895
Valley	Cypress, westerly	133	Jan. 4, 1897
Valley	Elm to Wilson	2,396	Nov. 7, 1893
Valley	East of Jewett to Massabesic	645	Nov. 7, 1911
Varney	Josselyn to Merrimack river	550	Sept. 27, 1909
Walnut	Salmon, southerly	105	Jan. 29, 1897
Walnut	Webster, northerly	168	July 31, 1903
Walnut east back	Salmon, northerly	88	Nov. 10, 1896
Warner	Wilkins, southerly 150 feet	24	Aug. 8, 1909
Weston	Bridge to Lowell	687	Dec. 6, 1910
Williams	Milford to Mast	522	Oct. 3, 1899
Willow	Silver to Baker	190	Dec. 4, 1900
Woodbine avenue	Longwood avenue to Candia road	341	June 26, 1911
Youville	Kelley, northerly 200 feet	92	Aug. 15, 1910
		49,891	

TABLE No. 21.

SUMMARY.

Table No. 16, column 3 (ordered in to January 1, 1911)	48,672	.....
Table No. 16, column 5 (built)	.....	4,704
Table No. 16, column 6 (built in excess of order)	170	.....
Table No. 16, column 7 (not needed)	.....	835
Table No. 16, column 8 (not built)	.....	43,303
Table No. 17, column 3 (ordered in during 1911)	8,235	.....
Table No. 17, column 5 (built)	.....	1,092
Table No. 17, column 6 (built in excess of order)	2	.....
Table No. 17, column 7 (not needed)	.....	557
Table No. 17, column 8 (not built)	.....	6,588
	57,079	57,079

Sewers built in 1911 of those ordered in to January 1, 1912, feet	5,796
Sewers built in 1911 without orders (feet)	3,862
Sewers relaid in 1911 without orders (feet)	1,004
Total length of sewers built in 1911 (feet)	10,662

Sewerage System.

Table No. 22 gives the location, material, size, length, manholes new, manholes rebuilt, lampholes new, lampholes removed, house connections and cesspool connections built during the year 1911.

Table No. 23 gives the material, size, and length of all public sewers in the city of Manchester January 1, 1912. This table gives the total length in feet of each size of sewer and the number of manholes on each side, also total length in feet and miles of each material.

Table No. 24 is a summary of the sewerage system by years from January 1, 1880, to January 1, 1912. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It is noted that on January 1, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1, 1890, there were recorded 2,003 house connections. Beginning with this date columns four and five give the number of connections recorded each year and the total number recorded to date each year.

TABLE No. 22.

SEWERS BUILT IN 1911.

Location.	Limits.	Material.	Size in inches.	Length in feet (new).	Length in feet (relaid).	Manholes (new).	Manholes (rebuilt).	Lampholes (new).	Lampholes (removed).	House connections.	Cesspool connections.
Agawam	River road, westerly	Akron	10	166		1		1		3	
Avon	Sylvester, southerly	"	12	52		1		1		2	
Beech	South of Hayward to Hayward	"	15	144		1				5	
Belmont	Orange, northerly	"	10	122				1		2	
Boutwell	Kelley to Bremer	"	10	600		2				22	
Boynton	McDuffie to Bank	"	20		264	1	1			11	
Bremer	Hevey east back, westerly	"	12	192		1		1		3	
Bridge	Weston to Highland	"	12	234		1				3	
"	" "	"	10	317		1				6	
Byron	Merrimack river, easterly	"	24	358		2					2
"	" " "	"	12	280		1				2	
"	" " "	"	10	432		2				12	
Central south back	Union, westerly	"	10		46			1	1	4	
Chestnut east back	Sagamore, northerly	"	10	274		2				5	
Concord	Pine, easterly	"	10	100		1		1		2	2
Elm	At Summer, Green and Grove	"	10	108		3					
Elm	Monroe south back, northerly	"	10	108	144	1	1			10	
Hall	Harvard, southerly	"	10	142		1				4	
Hayward	Beech, easterly	"	10	508		1		1		20	
Hevey east back	Wayne, northerly	"	10	144		1				1	
" "	North of Kelley to Bremer	"	10	184		1				6	
Highland	Bridge to Lowell	"	12	612		1		1		21	
Hillside avenue	Milford, southerly	"	10	188		1		1		5	
Lake avenue	Pine, easterly	"	8	72		1					2
Lowell	East of Hall, easterly	"	10	39				1		2	
Main, South	South of Balch avenue to Allen	"	22	568		3				17	
"	Balch avenue, southerly	"	8	153		1				6	
Mammoth road	South of Hayward, southerly	"	15	200		1				7	
McDuffie	South Main to Boynton	"	24	259		1	1			9	
Merrimack	East of Cass, easterly	"	10	152				1		8	
Montgomery east back	North of Kelley, northerly	"	10	159				1		5	
Orange	Belmont, westerly	"	10	78		1		1		1	

Orchard avenue	Glenwood avenue to Oakland avenue	"	12	413		1				14	
Ray	Carpenter, northerly	"	10	50							1
River road	North of Park avenue, northerly	"	24	364		1					
"	" " "	"	8	474		1		1		4	3
Sagamore	Chestnut east back, westerly	"	10	68		1				3	
Spruce, East	Belmont, westerly	"	24	82							3
Sullivan	Thornton, westerly	"	12	150		1				6	
"	" "	"	10	204		1		1		7	
Sylvester	Forest, southeasterly	"	18	20							
"	" "	"	15	138		1				2	
"	Forest to Avon	"	18	267		1				5	
"	" "	"	15	68		1				2	
"		"	12	46							
Third	Bath, northerly	"	12		40					1	1
Walnut east back	Lowell, northerly	"	12		250	2				12	2
" "	" "	"	10		185	1				7	
Wayne	McGregor to Main	"	15		151	1				4	4
"	" "	"	12		114	1				2	
Woodland avenue	Glenwood avenue, northerly	"	10	179				1		7	
				9,468	1,194	49	3	16	1	280	20

TABLE No. 23.

MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1912.

Size in Inches.	Akron.	Portland (old).	Portland (new).	Cement.	Earthen.	Brick.	Cast-iron.	Steel riveted.	Total feet.	Man-holes.
6	330								330	1
8	14,620	90	601				24		15,890	27
9				7,045					7,045	1
10	130,747	2,890	11,730		1,132		90		146,589	424
12	107,376	1,060	8,269	18,181	2,055		34		137,003	317
14							24		24	
15	41,821		5,338	490			70		47,651	166
18	6,547	770	1,815	860		4,867			14,859	45
20	15,518		4,372				158		20,048	70
22	1,372		958						2,330	10
24	25,874		5,583	735		1,900	36	67	34,195	164
16x24				1,697					1,697	7
27			465						465	3
29						1,600			1,600	
36						506	277.5	39	822.5	1
42						446			446	
44						1,195			1,195	2
48								372	372	3
57						1,400			1,400	2
60						285			285	1
17x26						1,506			1,506	4
20x30						1,197			1,197	5
22x33						849			849	3
24x36						11,051			11,051	39
26x39						514			514	2
29½x44						4,530			4,530	10
30x46						1,360			1,360	1
32x48						3,279			3,279	10
36x54						1,067			1,067	4
38x57						4,388			4,388	8
40x44						790			790	4
42x63						3,104			3,104	9
50x75						712			712	2
Total feet	344,760	4,810	39,131	29,008	3,187	46,546	713.5	478	468,633.5	1,345
Total miles	65.284	0.911	7.411	5.494	0.603	8.816	0.135	0.09	88.756	

TABLE No. 24.

SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

YEAR.	Miles constructed during year.	Miles constructed to date.	House connections recorded during year.	House connections recorded to date.	Cost of sewers.	Average cost per mile.
1880.....	1.62	18.66	.....	.....	$19,919.40	$12,295.92
1881.....	2.18	20.84	.....	.....	23,895.12	10,961.06
1882.....	3.37	24.21	.....	.....	24,148.13	7,165.65
1883.....	2.54	26.75	.....	.....	21,452.05	8,445.69
1884.....	1.73	28.48	.....	.....	21,548.60	12,445.84
1885.....	1.56	30.04	.....	.....	28,122.84	18,027.46
1886.....	2.15	32.19	.....	.....	44,479.15	20,687.97
1887.....	1.44	33.63	.....	.....	19,893.92	13,815.22
1888.....	1.73	35.36	.....	.....	31,154.19	19,008.20
1889.....	2.66	38.02	.....	2,003	27,513.73	10,343.51
1890.....	1.81	39.83	64	2,067	39,297.97	21,711.58
1891.....	3.08	42.91	153	2,220	55,409.73	17,990.17
1892.....	3.13	46.04	214	2,434	39,724.65	12,691.68
1893.....	3.31	49.35	191	2,625	51,392.15	15,526.33
1894.....	2.91	52.26	258	2,883	46,116.01	15,847.42
1895.....	3.98	56.24	255	3,138	71,859.36	18,055.11
1896.....	4.73	60.97	237	3,375	66,408.87	14,099.33
1897.....	*3.93	64.44	283	3,658	36,258.41	9,226.05
1898.....	*3.76	67.62	520	4,178	34,939.51	9,292.42
1899.....	*1.54	69.03	208	4,386	16,683.39	10,819.31
1900.....	*1.14	70.17	231	4,617	13,748.41	12,091.58
1901.....	1.74	71.91	227	4,844	14,724.39	8,462.29
1902.....	*1.95	73.46	186	5,030	20,973.05	10,755.41
1903.....	1.41	74.87	190	5,220	17,330 32	12,291.00
1904.....	*3.22	76.75	300	5,520	25,574.79	11,520.17
1905.....	*1.91	78.51	319	5,839	23,437.19	12,260.78
1906.....	*1.35	79.69	163	6,002	21,313.20	15,787.55
1907.....	*2.04	81.63	199	6,201	25,631.95	12,564.68
1908.....	*1.48	83.03	198	6,399	12,818.59	8,661.21
1909.....	*1.40	84.43	173	6,572	16,055.97	11,468.55
1910.....	*2.54	86.96	312	6.884	30,124.03	11,906.73
1911.....	*2.03	88.76	280	7,164	22,217.24	10,944.48
Total...	.....	.....	.....	.....	† $964,166.31	

* Includes old sewers relaid.

† Total cost for 32 years.

Abstract Report of the Board of Examiners of Plumbers.

In accordance with an act (chapter 55, Laws of 1899) passed by the New Hampshire state legislature, entitled "An act authorizing the examination of plumbers and regulating the practice of plumbing and house draining," a board of examiners of plumbers was appointed by the mayor as follows: William K. Robbins of the board of health, Christian L. Wolf, a master plumber, and Samuel J. Lord, engineer (William K. Robbins president and Samuel J. Lord clerk).

Following is a statement of the expenditures of the board for the year 1911:

PIKE & HEALD CO.

1911.				
Jan.	23.	To 1 gallon gasoline.....	$0.20	
	24.	To 10 lbs. oakum @ 6c.....	.60	
				$0.80
Feb.	15.	To 1 gallon gasoline.....	.25	
		1 glass gasoline can.....	.40	
	24.	To 27¼ lbs. lead pipe @ 7¼c.....	1.98	
		24 lbs. wiping solder @ 27c...	6.48	
		1 lb. tallow.....	.12	
March	2.	To 1 gallon gasoline.....	.25	
				$9.48
April	17.	To 27 lbs. lead pipe @ 6½c.....	1.76	
		1 gallon gasoline.....	.25	
		16 lbs. wiping solder @ 28c....	4.48	
				$6.49
June	21.	To 90 lbs. lead pipe @ 6½c.....		$5.85
July	28.	To 1 gallon gasoline.....		$0.25
Sept.	11.	To 27 lbs. 1¼" lead pipe @ 6½c....	$1.76	
		12 lbs. wiping solder @ 32c....	3.84	
				$5.60
Oct.	6.	To 16 lbs. lead pipe @ 6½c.....		$1.04
Nov.	10.	To 12 lbs. 4" lead pipe @ 6½c....	$0.78	
		14 lbs. solder @ 32c.....	4.48	
				$5.26
	28.	To 5 lbs. 1¼" lead pipe @ 6¼c...	$0.33	
		1 gallon gasoline.....	.25	
		4¾ lbs. block solder @ 32c....	1.52	
Dec.	4.	To 5½ lbs. 1¼" lead pipe @ 6½c..	.49	
		9½ lbs. wiping solder @ 28c...	2.66	
				$5.25

TEMPLE & FARRINGTON CO.

1911.			
March	20.	To binding record of board of examiners of plumbers for 1910.....	$0.85

THE JOHN B. CLARKE CO.

1911.			
July	7.	To printing 300 reports board of examiners of plumbers, bound in with engineer's department report, 6 pages @ 65c per page	$3.90

SUMMARY.

Appropriated to the board of examiners of plumbers for the year 1911		$50.00
Expense of the board during the year	$44.77	
Balance unexpended	5.23	
	$50.00	$50.00
Renewal fees received for 58 plumbers' certificates @ 50c each (a renewal fee of 50c is required by state law)	$29.00	
Renewal fees received for 55 plumbers' licenses @ 50c each (required by law)	$27.50	
Examination fee for 14 plumbers' licenses @ $1.00 each (required by law)	14.00	
Paid to the city treasurer (the state law requires all fees to be paid into the city treasury)		$70.50
	$70.50	$70.50

The above amounts include $12.50 collected from delinquent plumbers.

Table No. 25 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's certificate. This table also gives the class of the certificate (master or journeyman), the number of the certificate, the dates of renewal and expiration of the certificate, also the renewal fee paid by the applicant.

Table No. 26 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of renewal and expiration of the license, and also the renewal fee paid by the applicant.

Table No. 27 gives the name, address, and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of issue and expiration of the license, also fee paid by the applicant.

Table No. 28 is a summary of Tables Nos. 25, 26, and 27.

TABLE No. 25.

PLUMBERS' CERTIFICATES RENEWED DURING THE YEAR 1911.

NAME.	RESIDENCE.	No of application.	Renewal fee received.	Class of plumber.	No. of certificate.	Date of renewal.	Date of expiration.
Amlaw, Ashley A	777 Grove	19	$0.50	Master.	18	Aug. 31, 1911	Aug. 31, 1912
Bangs, Charles S	251 Concord	77	.50	"	47	" "	" "
Belanger, Arthur	432 Kelley	28	.50	Journeyman.	26	" "	" "
Blood, Frank W	397 Merrimack	76	.50	Master.	84	" "	" "
Briggs, Thomas J	60 Parker	34	50	"	65	" "	" "
Burke, John E	345 Lake avenue	24	.50	Journeyman.	22	" "	" "
Caron, Hermenegelde	60 McGregor	63	.50	Master.	77	" "	" "
Carr, Thomas H	Cilley Building	101	.50	"	71	" "	" "
Clark, Charles H	928 Beech	100	.50	Journeyman.	76	" "	" "
Coleman, Michael J	268 Walnut	7	.50	Master.	7	" "	" "
Colby, James A	286 Merrimack	105	.50	"	82	" "	" "
Connors, John A	10 Grove St., Lowell, Mass	17	.50	Journeyman.	85	" "	" "
Ewart, John	Arlington, Mass	62	.50	Master.	100	" "	" "
Farrell, John D	31 Amory	89	.50	Journeyman.	53	" "	" "
Geisler, John	79 Turner	33	.50	"	29	" "	" "
Goodwin, William E	Hooksett Road	41	.50	Master.	35	" "	" "
Greer, Leslie C	Grasmere, N. H	2	.50	Journeyman.	2	" "	" "
Griffin, Frank W	340 Harrison	26	.50	Master.	24	" "	" "
Guiney, John J	Lake Shore Road	104	.50	Journeyman.	59	" "	" "
Heald, Frank E	289 Concord	92	.50	Master.	70	" "	" "
Hill, Lucius E	852 Elm	3	.50	Journeyman.	3	" "	" "
Knoettner, George	245 Railroad	46	.50	"	36	" "	" "
Knoettner, Oscar	326 Main	59	.50	Master.	79	" "	" "
Lane, Frank A	731 Beech	79	.50	"	48	" "	" "
Larkin, John F	320 Cedar	75	.50	"	46	" "	" "
Ladouceur, Albert V	585 Amory	25	.50	Journeyman.	25	" "	" "
Leighton, Frank D	78 Liberty	23	.50	Master.	61	" "	" "
Lewis, Fred S	165 Mammoth road	40	.50	"	30	" "	" "
Longval, Delphis	Auburn, N. H	51	50	Journeyman.	68	" "	" "
Marchand, Joseph F	577 Rimmon	55	.50	Master.	42	" "	" "
Mayo, Albert F	265 Belmont	9	.50	Journeyman	9	" "	" "
McDonald, Charles F	24 Nashua	5	.50	Master.	5	" "	" "
McKenna, John J	101 Amherst	18	.50	Journeyman.	17	" "	" "
McKenna, Daniel J	101 Amherst	65	.50	"	92	" "	" "
Merrill, Edwin W	166 Blodget	74	.50	Master.	54	" "	" "
O'Brien, Martin	123 Amherst	16	.50	"	16	" "	" "
O'Toole, Thomas J	264 Grove	60	.50	Journeyman	86	" "	" "
Rivard, Zephirin H	Hooksett Rd, R. F. D. No. 1	11	.50	"	11	" "	" "
Thornton, John J	34 Old Bridge	45	.50	"	87	" "	" "
Wolf, Adolph A	38 Clinton	69	.50	"	45	" "	" "
Wolf, Christian L	36 Clinton	15	.50	Master.	15	" "	" "

TABLE No. 26.

PLUMBERS' LICENSES RENEWED DURING THE YEAR 1911.

Name.	Residence.	No. of application.	Renewal fee received	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Amlaw, Roy A.	777 Grove	71	$0.50	Journeyman.	52	Aug. 31, 1911	Aug. 31, 1912
Belanger, Ernest	336 Prospect	12	.50	"	6	" "	" "
Bradley, John J.	16 Second, Amoskeag	45	.50	"	33	" "	" "
Breton, Frank	159 Manchester	24	.50	"	18	" "	" "
Brock, Ira C.	250 Walnut	23	.50	"	43	" "	" "
Brown, William T.	278 Walnut	53	.50	"	14	" "	" "
Cadorette, Antonio	69 Cabot st., Lowell, Mass.	96	.50	"	73	" "	" "
Chapman, John W.	890 Clay	22	.50	"	41	" "	" "
Clement, Joseph H.	13 Summer st., Laconia, N.H.	39	.50	Master.	27	" "	" "
Corey, Edward C.	485 Pine	31	.50	Journeyman.	20	" "	" "
Danielson, David W.	52 Stark	92	.50	"	64	" "	" "
Douglas, Ernest H.	253 Pearl	66	.50	"	47	" "	" "
Dubois, Oliva	581 Rimmon	95	.50	"	67	" "	" "
Dupont, Adelard F.	97 Orange	103	.50	"	72	" "	" "
Foster, Frederick F.	287 Massabesic	54	.50	Master	39	" "	" "
Gaudette, Alfred J	Woonsocket, R. I.	17	.50	Journeyman.	13	" "	" "
Geoffrion, Ernest J.	165 Kelley	88	.50	"	63	" "	" "
Gilbert, Albert G.	Hotel Webster	104	.50	"	74	" "	" "
Greer, Cecil J.	1037 Elm	73	.50	Master.	51	" "	" "
Grimard, Alfred	Goffstown road	52	.50	"	38	" "	" "
Hartshorn, John E	17 Prince	15	.50	"	16	" "	" "
Horsfall, James W.	64 Dearborn	55	.50	"	40	" "	" "
Lacerte, Albert L.	581 Rimmon	27	.50	Journeyman.	13	" "	" "
Ladd, Arthur S.	81 Pennacook	85	.50	"	59	" "	" "
Ladd, Dexter	Contoocook, N. H.	38	.50	Master.	25	" "	" "
Landregan, John J.	209 Massabesic	100	.50	"	71	" "	" "
Langer, Richard C.	36 Clinton	29	.50	"	31	" "	" "
Langer, Richard C., Jr.	36 Clinton	77	.50	Journeyman.	55	" "	" "
Lesperance, Arthur	412 Harvard	87	.50	"	61	" "	" "
Leazotte, James F.	24 Chase avenue	76	.50	Master.	54	" "	" "
Lewis, Albert M.	1166 Hayward	26	.50	"	17	" "	" "
Marston, Gardner E.	3 Morrison	43	.50	"	30	" "	" "
McCourt, Patrick J.	259 Manchester	79	.50	Journeyman.	58	" "	" "

TABLE No. 26.—*Concluded.*

PLUMBERS' LICENSES RENEWED DURING THE YEAR 1911.

NAME.	RESIDENCE.	No. of application.	Renewal fee received.	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
McCue, Michael J.	107 Highl'd St., Milton, Mass.	90	$0.50	Master.	62	Aug. 31 1911	Aug. 31, 1912
McLaughlin, John T.	404 Lake avenue	20	.50	"	11	" "	" "
Murphy, Wm. J.	594 Wilson	93	.50	Journeyman.	65	" "	" "
Nealey, Chestley E.	13 Mechanic	72	.50	Master.	50	" "	" "
Osborne, Frank C.	45 Middle	102	.50	"	69	" "	" "
Raiche, Treffle	286 Coolidge avenue	5	.50	"	7	" "	" "
Reidy, Timothy P.	221 Wellington ave.	98	.50	"	68	" "	" "
Seaman, Carl O.	497 Hanover	4	.50	"	1	" "	" "
Severance, Wm. B.	Auburn, N. H.	101	.50	"	70	" "	" "
Van Brocklin, George	372 Lowell	44	.50	"	32	" "	" "

TABLE No. 27.

PLUMBERS' LICENSES GRANTED DURING 1911.

Name	Residence	No. of application	Examination fee	Class of plumber	No. of license	Date of issue	Date of Expiration
Belanger, Arthur	432 Kelley	110	$1.00	Master	79	Dec. 7, 1911	Aug. 31, 1912
Cadorette, Antonio	69 Cabot St., Lowell, Mass.	96	1.00	Journeyman	73	May 27, 1911	" 1911
Cherrier, L. J	Franklin, N. H.	111	1.00	Master	80	Dec. 7, 1911	" 1912
Desmarais, Eugene	119 Orange	108	1.00	Journeyman	76	Oct. 16, 1911	" 1912
Dupont, Adelard F	97 Orange	103	1.00	"	72	May 12, 1911	" 1911
Gilbert, Albert G	Hotel Webster	104	1.00	"	74	June 24, 1911	" 1911
Henderson, John B	161 East Spruce	97	1.00	Master	78	Dec. 7, 1911	" 1912
Landregan, John J	209 Massabesic	100	1.00	"	71	May 1, 1911	" 1912
O'Laughlin, George	119 Orange	107	1.00	Journeyman	77	Nov. 21, 1911	" 1912
Osborne, Frank C	45 Middle	102	1.00	Master	69	Apr. 18, 1911	" 1911
Reidy, Timothy P	221 Wellington Ave.	98	1.00	"	68	" 18, 1911	" 1911
Severance, Wm. B	Auburn, N. H	101	1.00	"	70	" 24, 1911	" 1911
Thompson, Wm	151 Winter	105	1.00	Journeyman	75	Sept. 28, 1911	" 1912

TABLE No. 28.

SUMMARY OF TABLES Nos. 25, 26 and 27.

Master plumbers' certificates renewed during the year 1911	.....	22
Journeyman plumbers' certificates renewed during the year 1911	.....	19
Master plumbers' licenses renewed during the year 1911	.....	21
Journeyman plumbers' licenses renewed during the year 1911	.....	22
Master plumbers' licenses granted during the year 1911	7	.....
Journeyman plumbers' licenses granted during the year 1911	6	.....
	13	84
Plumbers' licenses granted after August 31, 1911 (not renewable until August 31, 1912	.....	6
Total certificates and licenses in force December 31, 1911	.....	90

Cost Keeping.

The time book as kept by this office exhibits a complete record by days of each employee and the particular or several jobs each was engaged upon for each day during the year. This method has been in vogue since this department was created and will be continued.

In 1905 a new method (in this office) of keeping orders was begun, a card four by six inches being used, setting forth the nature of the order, date ordered, date done, and by whom done, transit and level books and plan reference (for convenience), and each card numbered. This method was originally intended to do away with the many inconveniences due to keeping orders in an order book. Beginning in May, 1906, the cost-keeping feature was added. This last method has proved satisfactory beyond expectation, a brief description of which follows:

Size of all cards five by eight inches. They are divided at the present time into eight classes of work, board of public works (card or order) embracing all work done by this office for the board of public works, which includes all streets, sewer, and park work, and might properly be designated location and construction engineering.

Chief engineer (cards or orders) include all preliminary office or field work, street surveys, levels for profile, cross-section, estimates, plans, details, etc., for the board of public works and individuals.

Miscellaneous (cards or orders) include the setting of all sidewalk grade, staking out street line for abutters on highways, and for the staking out of sidewalk construction for any property-owner or contractor.

Cemeteries (cards or orders) include all preliminary location and office work done for cemeteries.

Highway bounds (cards or orders) include the work of setting bounds; it does not include the location of the points. This part of the work is done under chief engineer (cards or orders).

Street signs (cards or orders) include street-sign work.

Street numbers (cards or orders) include measuring for street numbers, making numbering plans, assigning and putting on numbers.

Under office work, "stock" includes all drawing materials; under field work "stock" includes stakes, hubs, tacks, etc. Each team is charged in the cost record at twenty cents per hour based on three hundred and twelve seven and one half hour days per year.

This price will cover cost, repairs, keeping, interest, and replacing new every ten years.

Table No. 29 is a list of highway bounds set and reset during 1911, giving the location, material (concrete or granite), new or reset, cost of labor, team, stock (cost of bound), and total cost per bound; also average cost of concrete bounds and granite bounds.

Table No. 30 is a detailed statement of levels for street profile, and plan and profile work done under chief engineer (cards or orders). This table gives the location and limits of the several jobs, the length of distance covered, the number of lines of levels taken, the equivalent distance (under total distance) of a single line of levels, the cost of labor, team, and total cost of field work, the cost of labor, stock, and total cost of office work, and the total cost of field and office work of each job. This table is given in detail in order to show the actual cost of field and office work of each job.

Table No. 31 is a summary cost record of the cost of work done under miscellaneous (cards or orders), giving the number of orders, the location and description of work, the party or parties ordering the work done, the cost of labor, team, stock, and total cost of field work, the cost of labor, stock, and total cost of office work, and the total cost of field and office work.

Table No. 32 is a summary of street number orders, giving the number of orders, cost of labor, team, stock, and total cost of street-number work. This does not include the street-number figures given out at the counter. (See matter under street numbers.)

Table No. 33 is a summary cost record of the cost of cemetery work, giving the number of orders for each cemetery where work was done, the cemetery, the cost of labor, stock, and total cost of office work done for each cemetery, the cost of labor, team, stock, and total cost of field work, and the total cost of office and field work for each cemetery. This work is done under cemeteries (cards or orders).

Table No. 34 is a summary cost record of work done under board of public works (cards or orders), giving the number of orders, description of work, cost of labor, team, stock, and total cost for each kind of work, as noted under the description of work. Following this table is given the cost of labor, team, stock, and total cost of preliminary field and office work, and cost of location field work and finished plans (estimated), setting forth the cost of sewer work engineering and giving the percentage of cost of sewer work engineering to sewer work construction.

Table No. 35 is a summary of Tables Nos. 29, 30, 31, 32, 33, and 34.

TABLE No. 29.

COST RECORD—HIGHWAY BOUNDS SET DURING THE YEAR 1911.

Location.	Removed.	Concrete.	Granite.	Reset.	Labor.	Team.	Stock.	Total.
Amory and Montgomery, northwest corner			1		$1 69	$0.50		$1.99
" " northeast "		1			2.40	.40	$0.50	3.30
" Rimmon, southeast corner			1		3.57	.70	1.00	5.27
Amoskeag, south side, first angle east of Montgomery		1			1.59	.30	.50	2.39
" north " second " " "		1			1.59	.30	.50	2.39
" south " " " " "		1			1.59	.30	.50	2.39
" and Maxwell, northeast corner		1			1.59	.30	.50	2.39
" and Montgomery		1			1.59	.30	.50	2.39
Baker and Willow, northwest corner			1		2.40	.40	1.02	3.82
Beech and Central, northwest corner			1		2.40	.40	1.00	3.80
Beech and Lake avenue, northwest corner			1		1.86	.35	1.00	3.21
" and Laurel, southeast corner			1		1 86	.35	1.25	3.46
" and Lowell, northwest corner			1		2.12	.40	1.00	3.52
Bell and Pine, southeast corner				1	2.78	.50		3.28
Belmont and Bridge, northeast corner				1	2.23	.40		2.63
Bridge and Chestnut, southeast corner			1		3.18	.60	1.00	4.78
" and Nashua, southwest corner, northerly angle		1			1.40	.35	.50	2.25
" " southwest corner, southerly angle		1			1.40	.35	.50	2 25
Cedar and Wilson, southeast corner			1		2.40	.40	1.00	3.80
Central and Maple, northwest corner			1		2.12	.40	1.00	3.52
Chestnut and Lowell, northeast corner			1		2.12	.40	1.25	3.77
" and Pennacook, northwest corner		1			2.24	.40	.50	3.14
" and Sagamore, northeast corner		1			2.12	.40	.50	3 02
Concord and Porter avenue, southwest corner				1	2.23	.40		2.63
Dearborn and Taylor, northeast corner		1			2.12	.40	.50	3.02
Dexter and Montgomery, northwest corner		1			2.40	.40	.50	3.30
Elm and Pennacook, northeast corner		1			2.12	.40	.50	3.02
" Sagamore, southeast corner		1			3.40	.40	.50	4.30
" West Appleton, northwest corner		1			2.12	.40	.50	3.02
Ferry and Turner, southwest corner		1			2.48	.40	.50	3.38
Front street, Amoskeag, east side at station 18+16.935		1			1.68	.40	.51	2.59
" " " " 20+16 935		1			1.80	.40	.51	2.71
Gardner and Montgomery, southwest corner		1			2.40	.40	.51	3.31
Grove and Taylor, northwest corner		1			2.65	.50	.50	3.65
Hall road and Hanover, southwest corner			2		4.24	.80		5.04
Hanover and Pine, northwest corner			1		2.40	.40	1.00	3.80
" and Union, northwest corner			1		2.40	.40	1.00	3.80
Hayward, north side, west of junction with Massabesic		1			1.35	.30	.51	2.16

Hevey and Mason, southwest corner		1			2.12	.40	.50	3.02
Kelley and Lafayette, southeast corner	*1				1.06	.20		1.26
Lake avenue and Lincoln, northeast corner			1		3.71	.70	1.25	5.66
" " Maple, northwest corner			1		2.52	.70	1.25	4.47
Lowell and Pine, northwest corner		1			3.32	.80	1.25	5.37
" " Union, northwest corner			1		2.12	.40	1.25	3.77
" " Walnut, northwest corner			1		3.71	.70	1.00	5.41
" " Walnut, northeast corner			1		2.80	.70	1.25	4.75
Main and Wayne, northeast corner			1		1.39	.20	1.25	2.84
Mason and Montgomery, southwest corner		1			2.12	.40	.50	3.02
" " Rimmon, center bound				1	1.59	.30		1 89
Massabesic, south side, west of junction of Hayward		1			1.35	.30	.52	2.17
" " " first point west of Hayward		1			1.35	.30	.51	2.16
" " " second point west of Hayward		1			1.35	.30	.51	2.16
" " " third point west of Hayward		1			1.35	.30	.51	2.16
Mast and William, southeast corner		1			2.40	.40	51	3.31
Monroe and River road, northeast corner		1			3.18	.60	.50	4.28
" south side at P. C		1			2.12	.40	.50	3.02
Oakland avenue and Page, southeast corner			1		4.48	.40	.01	2.89
Pearl and Warren, southwest corner				1	2.43	.40		2.83
Pennacook and Union, southwest corner				1	1.35	.20	.02	1 57
Readey and River road				1	1.35	.20		1.55
River road, west side, south of West Clarke		1			2.12	.40	.50	3.02
Taylor, east side, at angle of Massabesic		1			2.12	.40	.50	3.02
	1	32	23	7	$135.44	$25.50	$37.15	$198 09

* Removed by grading of street, E. D. S. B.
† Private bound.

Cost of concrete bounds, $0.50 each.
Cost of granite bounds, $1.25 each.
Cost of team, $0.20 per hour.
Average cost of 4 concrete bounds including setting, $6.3225.
Average cost of 54 granite bounds including setting, $3.5200.
Average cost of 58 bounds including setting, $3.6284.

Bounds on hand January 1, 1910		67
Concrete bounds set	4	
Granite bounds set	54	
Total bounds set	58	58
Bounds on hand January 1, 1911		9

TABLE No. 30.

COST RECORD.—FIELD WORK (Levels for Profile). OFFICE WORK (Plans and Profiles).

Location.	Limits.	Distance	No. lines.	Total distance.	Field work.			Office work.			Total cost.
					Labor.	Team.	Total.	Labor.	Stock.	Total.	
Adams	Main to Notre Dame ave.	400	3	1,200	$2.76	$0.40	$3.16	$1.00	$0.05	$1.05	$4.21
Alfred	Hanover to Amherst	330	2	990	2.79	.40	3.19	.50	.05	.55	3.74
Amherst	Chestnut to Pine	310	6	1,860	2.23	.40	2.63	1.20	.03	1.23	3.86
"	Pine to Union	550	6	3,000	3.34	.60	3.94	2.40	.05	2.45	6.39
Amoskeag	Front to Montgomery	2,175	3	6,525	7.88	1.50	9.38	2.00	.17	2.17	11.55
Ash	Salmon to North	630	3	1,890	2.65	.50	3.15	.66	.05	.71	3.86
Avon	Ingalls to Mast	1,100	3	3,300	3.37	.50	3.87	1.80	.12	1.92	5.79
Bay	Sagamore to Salmon	480	5	2,000	3.45	.70	4.15	.90	.09	.95	5.10
Beech	Hanover to Central	1,205	5	6,500	3.78	.70	4.48	4.00	.10	4.10	8.58
Bell	Wentworth to Second	590	3	1,770	3.95	.80	4 75	1.20	.05	1.25	6.00
"	Second to South Main	1,200	2	3,600	4.45	.80	5.25	2.00	.12	2.12	7 37
Bridge	Pine to Union	550	6	3,000	2.78	.50	3.28	2.00	.05	2.05	5.33
Boynton	A to Prince	700	5	3,500	4.04	.60	4.64	1.80	.05	1.85	6.49
"	South of Bank, southerly	1,050	3	3,150	3.95	.80	4.75	1.60	.10	1.70	6.45
Burgess	Lowell to East High	400	3	1,200	2.02	.30	2.32	.80	.03	.83	3.15
C	Boynton to B	650	5	3,250	2.02	.30	2.32	1.00	.05	1.05	3.37
Carpenter	Elm to Union	1,400	7	9,000	5.49	.80	6.29	5.20	.12	5.32	11.61
Central	Hall road, westerly	650	3	1,950	3 39	.70	4.09	1.00	.10	1.10	5.19
Chestnut east back	Sagamore to Salmon	550	3	1,650	2.96	.60	3.56	1.26	.05	1.31	4.37
Church, North	Pearl to Orange	1,450	3	4,350	6.51	1.30	7.81	1.60	.12	1.72	9.53
Concord	Pine to Union	550	5	2,750	3.09	.40	3.49	2.66	.20	2.86	6.35
Congress	Amory, southerly	475	3	1,425	2.04	.40	2.44	1.26	.05	1.31	3.75
Dearborn	Summer, southerly	450	2	900	.98	.20	1.18	.52	...	.52	1.70
Derryfield lane	Chestnut to Pine	310	4	1,100	2.84	.40	3.24	1.00	.05	1.05	4.29
Douglas north back	Main to Douglas	450	3	1,350	2.55	.50	3.05	1.32	.05	1.37	4.42
Douglas	Main to Turner	750	5	3,950	3.57	.70	4.27	2.40	.10	2.50	6.77
Dubuque	Wayne to Amory	600	5	3,000	2.77	.40	3.17	1.40	.05	1.45	4.62
Elm	Langdon, northerly	350	8	2,800	2.44	.40	2.84	2.80	.12	2.92	5.76
"	Webster to Clarke	1,350	8	10,800	7.41	1.10	8.51	6.72	.12	6.84	15.35
Frederick	Second to South Main	1,230	3	3,690	5.57	1.00	6.57	2.20	.13	2.33	8.90
Gilman	Wentworth to Second	600	3	1,800	3.90	.70	4.60	.70	.10	.80	5.40
Hall road	Lake avenue to Hanover	600	3	1,800	3.22	.50	3.72	1.20	.05	1.25	4.97
Hall	Valley to Hayward	1,200	3	3,600	3.06	.60	3.66	3.08	.10	3.18	6.84

Hanover	Ashland to Belmont	1,200	5	6,000	$3.90	$.70	$4.60	$3 60	$.12	$3.72	$8.32
Hampshire lane	Stark to Mechanic	300	5	1,500	2.64	.40	3.04	2.52	.05	2.57	2.61
Hayward	Hall to Belmont	400	3	1,200	1.53	.30	1.83	1 32	.03	1.35	3.18
"	Porter to Mammoth road	480	1	480	1.35	.20	1.55	.70	.05	.75	2.30
Hazel	Harrison to Brook	500	5	2,500	2.16	.40	2.56	1.20	.05	1.25	3.81
Hevey	Bremer to Mason	850	3	2,550	2.90	.50	3.40	1.60	.05	1.65	3.05
Highland Park ave	Glenwood ave. to Candia rd.	1,100	5	5 000	4.85	.70	5.55	1.60	.10	1.70	7.25
Highland	Hanover to Amherst	400	3	1,200	2.23	.40	2.63	.60	.05	.60	3.28
Hill	Schiller to Frederick	1,350	3	4,050	3.90	.20	4.10	2.40	.12	2.52	6.62
Hillcrest avenue	Calef road to Elm	750	5	3,750	2.69	.40	3.09	1.20	.10	1 30	4.39
Hillside avenue	Milford, southerly	225	3	675	1.55	.20	1.75	.60	.03	.63	2.38
Ingalls	Sylvester to west of Alpine	1,250	3	3,750	4.04	.60	4.64	2.00	.12	2.12	6.76
Kingston	Hayward to Harvard	675	3	2,025	2.69	.40	3.09	.60	.05	.65	3.74
Lake avenue s. back	Union to Beech	600	3	1,800	2 04	.40	2.44	1.60	.05	1.65	4.09
" "	Maple to Lincoln	650	7	4,550	2.16	.40	2.56	1.20	.05	1.25	3.81
Laurel	Cass, easterly	350	3	1,050	1.53	.30	1.83	.72	.05	.77	2.60
Laurel s. back	Beech to Maple	700	3	2,100	2.37	.50	2.87	1.20	.05	1.25	4.12
Laval	Kelley to north of Bremer	1,150	2	3,450	5.39	.80	6.19	1.80	.10	1.90	8.09
Lincoln	Lake avenue to Central	320	6	1,800	1.53	.30	1.83	1.20	.03	1.23	3.06
"	Cedar to Auburn	320	3	900	1.97	.40	2.37	.50	.05	.55	2.92
Linden	Bridge to Arlington	310	5	1,550	1.62	.30	1.92	1.20	.03	1.23	3.15
Longwood avenue	Mammoth road to Woodbine avenue	1,150	3	3,450	4.25	.70	4.95	1.20	.12	1.32	6.27
Lowell	Ashland to Hall	650	5	3,250	2.69	.40	3.09	2.20	.05	2.25	5.34
Mason	Coolidge ave. to Montgomery	900	3	2,700	3.90	.70	4.60	1.20	.10	1.30	5.90
Maple	Lake avenue to Central	320	5	1,300	1.53	.30	1.83	1 60	.03	1 63	3.46
Merrill	Elm to Willow	220	5	1 100	2.69	.40	3.09	.10	...	10	3.19
Monadnock lane	Maple to Lincoln	650	3	1,950	2.16	.40	2.56	3.20	.05	3.25	5.81
"	School lane to Beech	450	3	1,350	1.35	.20	1.55	1.00	.05	1.05	2.60
Montgomery	Bremer to Amoskeag	2,650	3	7,950	8.35	1.50	9.85	2.60	.24	2.84	12.69
"	Kelley to Bremer	650	3	1,950	3.09	.40	3.49	1.60	.05	1.65	5 14
Mystic avenue	Candia rd. to Glenwood ave.	1,200	3	3,600	3.95	.80	4.75	1.80	.12	1.92	6 67
North	Beech to Ash	320	3	960	1.06	.20	1.26	.66	.03	.69	1.95
Nutfield lane	Amherst to Hanover	320	2	640	2.69	.40	3 09	.76	.05	.81	3.90
Page	London to Bridge	1,050	3	3,150	4.77	.70	5.47	1.60	.10	1.70	7.17
Pearl	North Church to Chestnut	620	7	3,800	2.77	.40	3 17	2.40	.05	2.45	5.63
Pennacook s. back	Pine to Union	550	3	1,650	1.96	.40	2.36	1.00	.05	1.05	3.41
Pennsylvania ave	Hanover to Bridge	2,295	3	6,885	7.65	1.50	9.15	4.80	.22	5.02	14.17
Pine	Amherst to Lowell	700	6	4,000	3.90	.70	4.60	2.20	.05	2 25	6.85
"	Hanover to Amherst	360	5	1 800	2.23	.40	2.63	1.00	.03	1.03	3.66
" east back	Amherst to Concord	400	3	1,200	2.55	.50	3.05	1.80	.05	1.85	4.90
"	High to Bridge	330	5	1,400	1.67	.30	1.97	1.00	.05	1.05	3.02
Prospect	Elm to Chestnut	720	5	3,600	3.34	.60	3.94	1.80	.05	1.85	5 79
Ready	Elm to River road	450	3	1,350	1.29	.20	1.49	.80	.05	.85	2.34
Rimmon	Kelley to south of Wayne	1,750	5	8,750	6.12	1.20	7.32	4.16	.15	4.31	11.63
Russell avenue	Russell to Smyth road	750	3	2,250	5.55	.80	6.35	1.20	.10	1.30	7.65
"	Blodget to north of Sagamore	650	3	1,950	2.69	.40	3.09	1.00	.05	1.05	4.14

TABLE No. 30.—*Concluded.*

Location.	Limits.	Distance	No. lines.	Total distance.	Field work.			Office work.			Total cost.
					Labor.	Team.	Total.	Labor.	Stock.	Total.	
Salmon	Chestnut to Pine.	410	3	1,230	$1.11	$.20	$1.31	$.70	$.05	$.75	$2.06
Schiller	Wentworth to Second	610	3	1,830	2.78	.50	3.28	1.00	.05	1.05	4.33
School lane	Manchester to Monadnock lane	170	3	510	1.42	.20	1.62	.60	.03	.63	2.25
Silver	Wilson to Hall	566	5	2,830	3.18	.60	3.78	2.64	.05	2.69	6.47
Spruce, East, s. b.	Maple to Lincoln	650	3	1,950	3.43	.70	4.13	1.20	.05	1.25	5.38
State east back	Payson to W. Central	160	3	480	.87	.20	1.07	.60	.03	.63	1.70
Sullivan	Thornton, westerly	500	3	1,500	6.19	1.10	7.29	1.20	.05	1.25	8.54
Summer	Belmont to Dearborn	500	3	1,500	1.96	.40	2.36	1.40	.05	1.45	3.81
Taylor	Cilley road to Vinton	1,250	3	3,750	2.45	.50	2.95	2.66	.12	2.78	5.73
Walnut east back	Amherst to Concord, Lowell to Bridge	1,150	3	3,450	5.01	.90	5.91	3.60	.10	3.70	9.60
Warner	Wilkins to Mast	1,275	3	3,825	4.64	.60	5.24	1.40	.12	1.52	6.76
Wilson	Shasta to South of Vinton	1,750	3	5,250	7.36	1.50	8.86	2.64	.12	2.76	11.62
Woodbine avenue	Candia road to Oakland ave.	750	3	2,250	4.45	.80	5.25	.90	.05	.95	6.20
Woodbury	Hill to Second	320	2	960	1.57	.30	1.87	.60	.05	.65	2.52
"	Dartmouth to South Main	610	3	1,830	3.34	.60	3.94	.60	.05	.65	4.59
		70,301		263,800	$308.27	$53.20	$361.47	$155.96	$6.87	$162.83	$524.30

TABLE No. 31.

COST RECORD—MISCELLANEOUS ORDERS.

No. of orders.	Location and Description.	By whom ordered.	Field Work.				Office Work.			Total cost.
			Labor.	Team.	Stock.	Total.	Labor.	Stock.	Total.	
106	Grades (sidewalk)	Abutters	$247.71	$40.51	$3.93	$292.15				$292.15
33	" "	Robie Con. Concrete Co.	72.19	12.20	1.60	85.99				85.99
7	" "	Office	20.88	3.20	2.62	26.70				26.70
5	" (water pipes)	Manchester Water W'ks	43.23	7.90	.99	52.12				52.12
3	" (miscellaneous)		17.40	3.30	.35	21.05				21.05
2	" (trial)	Office	12.87	2.00	.37	15.24				15.24
10	" (curb)	Abutters	35.73	6.70	2.02	44.45				44.45
3	Location (corners)	"	8.26	1.30	.09	9.65				9.65
39	" "	Office	81.16	12.30	.44	93.90				93.90
23	Street line	Abutters	90.81	9.90	.68	101.39				101.39
18	" "	Office	82.37	8.90	.65	91.92				91.92
10	Plans (miscellaneous)	"					$5.94		$5.94	5.94
5	" (numbering)	"	1.63	.30		1.93	5.30	$0.23	5.53	7.46
4	Measurements (miscellaneous)	"	25.93	2.80	28.73					28.73
7	Surveys (miscellaneous)	"	42.19	5.80	.10	48.09	.48		.48	48.57
12	Levels (miscellaneous)	"	22.08	4.10		26.18				26.18
107	Petitions	"					16.90		16.90	16.90
394			$804.44	$121.21	$13.84	$939.49	$28.62	$0.23	$28.85	$968.34

TABLE No. 32.

COST RECORD—STREET NUMBERS.

No. of orders.	Labor.	Team.	Stock.	Total.
155	$36.54	$5.41	$14.80	$56.75
155	$36.54	$5.41	$14.80	$56.75

TABLE No. 33.

COST RECORD—CEMETERIES.

No. of Orders.	Location.	Office Work.			Field Work.				Total cost.
		Labor.	Stock.	Total.	Labor.	Team.	Stock.	Total.	
15	Pine Grove cemetery	$3.00	$0.10	$3.10	$60.59	$10.80	$0.77	$72.16	$75.26

TABLE No. 34.

COST RECORD—BOARD OF PUBLIC WORKS.

No. of orders.	Description of Work.	Labor.	Team.	Stock.	Total cost.
2	Bridges (lines and grades)	$4.11	$0.60	.....	$4.71
80	Building street lines and grades	286.65	49.50	$25.42	351.57
2	City yard (lines and grades)	5.43	1.00	.....	6.43
58	Corner curbs (lines and grades)	157.46	26.35	10.80	194.61
74	Gutters (lines and grades)	218.87	36.10	16.46	271.43
4	Parks (lines and grades)	22.35	4 20	.47	27.02
54	Sewers (lines and grades)	156.90	26.90	.10	183.90
6	Miscellaneous (lines and grades)	21.63	3.60	.75	25.98
280		$873.40	$148.25	$54.00	$1,075.65

The cost of sewer preliminary field and office work, location field and office work, and finished plans is as follows:

Description.	Labor.	Team.	Stock.	Total cost.
Location field work	$156.90	$26.90	$0.10	$183.00
Finished plans (estimated)*	100.00	.....	25.00	125.00
	$256.90	$26.90	$25.10	$308.00

* This work is done the first of the year following construction.

Expended by the Street and Park Commissioners in constructing sewers $22,217.24. (See table No. 24.)

Cost of engineering, $308.00, or .0134 percent.

TABLE No. 35.

SUMMARY OF TABLES Nos. 29, 30, 31, 32, 33 AND 34.

No. of Table.	No. of orders.	Field Work.				Office Work.			Total cost.
		Labor.	Team.	Stock.	Total.	Labor.	Stock.	Total.	
29	63	$135.44	$25.50	$37.15	$198.09	.....	.....	.....	$198.09
30	95	308.27	53.20	.....	361.47	$155.96	$6.87	$162.83	524.30
31	394	804.44	121.21	13.84	939.49	28.62	.23	28.85	968.34
32	155	36.54	5.41	14.80	56.75	.....	.....	.....	56.75
33	15	60.59	10.80	.77	72.16	3.00	.10	3.10	75.26
34	280	873.40	148.25	54.00	1,075.65	.....	.....	.....	1,075.65
	1,002	$2,218.68	$364.37	$120.56	$2,703.61	$187.58	$7.20	$194.78	$2,898.39

To his Honor the Mayor, the board of aldermen, the gentlemen of the common council, and the various committees with whom in the performance of my duties I have come in contact, I wish to express my appreciation of the assistance and support you have rendered to me during the year.

My acknowledgments are due the gentlemen of the board of public works for their courtesy, consideration, and coöperation in matters in which we were mutually engaged.

Engineer of the City.

General Statistics.

CITY OF MANCHESTER, N. H., January 1, 1912.

Manchester is situated on the east and west banks of the Merrimack river, in latitude 43° 00′ 04.3″ north, longitude 71° 26′ 21.1″ west (finial of Weston observatory), at an elevation above sea level of from about 100 feet to about 530 feet.

Zero of city base is 100.934 feet above sea level.

City hall step is 108.520 feet above zero of city base or 209.454 feet above sea level.

VARIOUS ELEVATIONS ABOVE SEA LEVEL.

Coping stone of high service reservoir, 500.934 feet.

Rock Rimmon, highest point, 390.56 feet.

Lake Massabesic, 250 feet.

Granite and Main streets about 163 feet, South Main and Milford about 178 feet, Milford and Rochelle avenue about 196 feet, Amory and Main about 213 feet, Amory and Notre Dame avenue about 236 feet, Elm and Carpenter about 288 feet, Highland and Lowell about 426 feet, Hanover and Beacon about 354 feet, Lake avenue and Massabesic about 251 feet, Elm and Brown avenue about 211 feet, Cypress and Vinton about 340 feet, Bridge and Hall about 326 feet.

Greatest extent of city, north and south, 11.5 miles; east and west, 5.3 miles.

Merrimack river frontage, 10 miles.

Area of city including those portions covered by water approximately 21,700 acres.

AREA BY WARDS.

Ward 1, 128 acres; Ward 2, 6,131 acres; Ward 3, 329 acres; Ward 4, 255 acres; Ward 5, 134 acres; Ward 6, 3,997 acres; Ward 7, 164 acres; Ward 8, 1,117 acres; Ward 9, 631 acres; Ward 10, 8,814 acres.

Most thickly settled ward, Ward 5; most sparsely settled ward, Ward 10.

AREA OF PARKS AND COMMONS.

Derryfield park, 68 acres; Rock Rimmon park, 45 acres; Stark park, 30 acres; Oak Hill Reservoir park, 25.65 acres; West Side park, 9.76 acres; Prout park, 3.70 acres; Simpson park, 0.56 acres; East Side park, 0.44 acres; Merrimack common, 5.89 acres; Concord common, 4.48 acres; Park common, 3.49 acres; Hanover common, 3.00 acres; Parker common, 2.61 acres; Tremont common, 2.25 acres.

Total area of parks and commons, 206.91 acres; valuation, $700,000.

WATER AREA IN CITY.

Massabesic lake, 2,400 acres (water shed 40 square miles); Long pond, 23.250 acres; Mosquito pond, 21.855 acres; Nutt's pond, 19.095 acres; Stevens' pond, 16.276 acres; Merrimack river, 550 acres; Piscataquog river, 50 acres.

Total water area, 3,080.476 acres.

Area taxed, approximately 15,000 acres.

Valuation, real estate, $66,950,000, and personal property, $66,950,000; tax rate, 1912, $15.00.

STREETS AND ROADS.

Unpaved streets, not including back streets, lanes, or alleys, 119.73 miles.

Paved streets, including such back streets and lanes as are paved, 6.36 miles.

Outlying or country roads, 72.66 miles.

Total miles of streets and roads, 198.75 miles.

PAVED STREETS.

Granite block, cement joints,	1.96 miles,	43,510 square yards
Granite block, sand joints,	2.29 miles,	25,093 square yards
Granite block, sand joints, old,	0.54 miles,	12,091 square yards
Tar concrete,	3.31 miles,	54,368 square yards
Tar macadam,	0.10 miles,	1,580 square yards
Hassam,	0.07 miles,	1,636 square yards
Wood block,	0.24 miles,	2,873 square yards
Total,	*8.51 miles,	141.151 square yards

Common width of streets, 50 feet; widest street, 100 feet; narrowest street, 20 feet; longest street, city proper, 4.3 miles; suburban, 5.3 miles.

Sidewalks on streets, approximately, 200 miles.

Ninety miles of streets have shade trees.

* Including gutters on paved streets.

TREES IN CITY.

Number and kind of trees on streets, exclusive of those on the Amoskeag and Stark corporations, 14,701, divided as follows: Elm, 4,345; maple, 7,694; oak, 760; poplar, 971; others, 931.

In public and parochial school yards: Elm, 72; maple, 278; oak, 9; others, 65; total, 424.

In parks, commons, and city farm: Elm, 578; maple, 1,284; oak, 70; poplar, 67; others, 12,201; total, 14,200.

Total number of trees of all kinds, 29,325.

CEMETERIES.

Four cemeteries belonging to the city have a combined area of 240 acres; 11 private cemeteries, about 75 acres.

SEWERS.

Akron, 65.310 miles; Portland, old, 0.911 miles; Portland, new, 7.411 miles; earthen, 0.603 miles; cement, 5.494 miles; brick, 8.816 miles; cast iron, 0.135 miles; steel riveted, 0.09 miles; total, 88.773 miles.

Largest sewer, 50 inches by 75 inches; smallest, 6 inches.

RAILROADS.

Electric railways, double track counted twice, city lines, 41.368 miles; suburban lines, 22.69 miles.

Steam railroads, double track, about 8.5 miles; single track, about 11.5 miles, exclusive of sidings and tracks in railroad yards.

STREET LIGHTS.

Electric arc, 609; tungsten, 258; gas, 32; others, 4; total, 903.

Number of electric arches over street, 10.

CITY BUILDINGS.

Schoolhouses, brick, 26; wood, 2; total, 28; valuation, $900,000. Engine houses, 9; valuation, $170,000. Other public buildings, 10; valuation, $620,000.

Churches, brick, 15; wood, 28; stone, 1; total, 44.

Postoffices, stone, 1; substations.

Police stations, 2; railroad stations, 6.

FIRE DEPARTMENT.

Steam fire engines, 7; chemical, 1; auto chemical, 1; combination wagons, 2; hose wagons, 8; ladder trucks, 4; hose carriages, spare, 2.

Number of permanent men in department, 55; call men, 113; horses, 55.

Valuation of equipment, including fire-alarm telegraph, $133,259.75.

POPULATION.

Population, estimated, January 1, 1912, 72,000.

ANNUAL REPORT

OF THE

BOARD OF PUBLIC WORKS

REPORT OF BOARD OF PUBLIC WORKS.

OFFICE OF THE BOARD OF PUBLIC WORKS.

MANCHESTER, N. H., December 30, 1911.

To His Honor the Mayor, the Board of Aldermen, and the Common Council of the City of Manchester, N. H.:

GENTLEMEN:—We herewith submit the seventeenth annual report, which comprises the details of the operations conducted by the departments of highways, sewers, street-cleaning, and parks and commons for the year 1911.

MAYOR EDWARD C. SMITH, *Chairman,*
WILLIAM McELROY,
BYRON WORTHEN,
Board of Public Works.

The board of street and park commissioners had control and supervision of these several departments up to and including April 15, 1911, and for the operations conducted up to and including that time this board is responsible: William McElroy, chairman; Byron Worthen, Samuel J. Lord, chief engineer.

April 15, 1911, the following law became effective:

STATE OF NEW HAMPSHIRE.

AN ACT to Establish a Board of Public Works for the City of Manchester.

Be it enacted by the Senate and House of Representatives in General Court convened:

SECTION 1. (a) The term board as used in this act shall mean the board of public works hereby created.

(b) The term city yards shall include all yards or premises, the property of the city used by the board in carrying on the business contemplated under this act, with all structures, appliances and buildings that are or may be constructed or erected thereon.

(c) The term highways shall include all public avenues, streets, roads, thoroughfares, sidewalks, lanes, alleys, bridges and culverts.

(d) The term parks shall include all public parks, commons and playgrounds with all structures, appliances, and buildings that are or may be constructed or erected thereon.

(e) The term public utility shall include every corporation, company, association, joint stock association, partnership and person, their assignees, lessees, trustees or receivers, appointed by any court whatsoever, owning, operating or managing any plant or equipment or any part of the same, for the conveyance of persons or property for a compensation; for the transmission of telephone or telegraph messages; for the manufacture or furnishing of light, heat or power for the public.

(f) The term sewers shall include all public sewers and drains comprising the city sewerage system.

(g) The term street cleaning shall mean the cleaning, sweeping and the washing of highways, the collecting, removing and disposing of garbage, ashes, refuse (excepting dead animals), waste, and snow and ice.

SECT. 2. A board of public works for the city of Manchester is hereby created to be composed of three citizens of said Manchester; the mayor shall by virtue of the office of mayor be a member of and chairman of the board. In the month of April, 1912, and thereafter in the month of April in every sixth year, the board of mayor and aldermen shall elect a competent person of said city to be a member of said board, to hold the office during the term of six years from the time of his election, and until his successor is elected and qualified, unless sooner removed. The member of the present board of street and park commissioners whose term of office expires in April, 1912, is hereby made a member of the board and said term of office shall expire in April, 1912. In the month of April, 1914, and thereafter in the month of April in every sixth year, the board of mayor and aldermen shall elect a competent person of said city to be a member of said board to hold the office during the term of six years from the time of his election and until his successor is elected and qualified, unless sooner removed. The member of the present board of street and park commissioners whose term of office expires in April, 1914, is hereby made a member of the board and said term of office shall expire in April, 1914. If a vacancy occurs, the board of mayor and aldermen of said city shall fill it for the residue of said term, and said board of mayor and aldermen may remove any member of said board, excepting the mayor, at any time for cause, but no such member of the board shall be removed without a hearing after reasonable notice in writing of the charges against him, and the vacancy thus created shall be filled in the manner hereinbefore prescribed in case of vacancy and at no time shall more than two members of said board be members of the same political party. The chairman of the board shall receive no salary for his services as member or chairman of said board. The annual salary of each of the other two members shall be fixed by the board of mayor and aldermen, and the board shall be furnished by said city with suitable offices.

SECT. 3. The board shall have full charge, supervision, management and control of the building, constructing, repairing and maintaining of all highways and sewers, the developing, improving and the maintaining of all parks and city yards, and the maintaining and carrying on of street cleaning; they shall have the expenditures of all appropriations which the board of common council shall from year to year vote for such purposes, and all bills and payrolls for expenditures from the appropriations voted from year to year by said common council for such purposes shall be approved by said board before the same are paid by the city treasurer; they shall further have the power to regulate the traffic and travel upon, the placing of encumbrances in, and the moving of buildings through the highways of said city, the construction and maintenance in, over, under and along the highways of said city of all wires, pipes, poles and all other structures belonging to individuals, firms, corporations or public utilities, which now or hereafter may be permitted by vote of the board of mayor and aldermen to be placed in, over, under or along said highways. Said board is hereby authorized to provide for the furnishing and delivering of supplies and the performance of any work contemplated in this act by contract, and in so doing to call for proposals for furnishing and delivering such supplies or doing such work, and to make a contract therefor in the name and behalf of the city with the lowest responsible bidder, provided it shall be deemed for the best interests of the city, who shall furnish proper surety for the faithful performance of the contract, provided, however, that in the employment of labor citizens of Manchester shall be given preference, and in the making of contracts such preference shall be stipulated for when practicable; said board shall annually between the first and fifteenth days of January transmit to the board of mayor and aldermen an estimate of the appropriations required for the maintenance of parks, city yards and street cleaning, for the constructing, repairing and maintaining of highways and sewers in said city for the ensuing year, and they shall make a detailed report to the board of mayor and aldermen of the doings of said board for the year ending December 31st of each year. The board shall make such rules and regulations governing the conduct of the business contemplated under this act as they may deem expedient, and they shall for the carrying out of the purposes of this act have all the powers now by law vested in the board of street and park commissioners, and the various city departments and officials of said city now having control of the matters covered by this act.

SECT. 4. The board shall hold one regular meeting each month at 2.00 o'clock P. M. on the Tuesday immediately preceding the closing of the city draft; special meetings may be held subject to the call of the chairman. Said board shall immediately after the passage of this act appoint a civil engineer and fix his compensation as agent of said board for a term of six years from the first Tuesday of

April, 1911, and thereafter in every sixth year, to hold office until his successor is appointed and qualified. The official title of said agent shall be engineer. The duties of the board shall be advisory in nature; they shall prescribe or lay out beforehand the work contemplated under this act. The duties of the engineer shall be administrative and executive in nature, and to him shall be committed the carrying into effect or to completion all the work prescribed or laid out by the board. To this end said board shall delegate to him authority in the management and control of the office, horses, wagons, machinery, tools, equipment, buildings and other property provided for carrying out the work contemplated under this act, the authority to employ, appoint or hire, to dismiss or discharge such subordinate officers, agents, clerks and other persons as he may deem expedient. Said board shall adopt a schedule of grades of relative positions, to include all subordinate officers, agents, clerks and other persons who are employed or may be employed in carrying into effect or to completion the work contemplated under this act, and said board shall determine and fix the compensation thereof. But the minimum wages shall not be less than one dollar and seventy-five cents ($1.75) per day for the laborer; the engineer shall act as clerk of the board and shall perform all the duties heretofore pertaining to the office of the chief engineer of the city.

SECT. 5. All acts and parts of acts inconsistent with the provisions of this act are hereby repealed and this act shall take effect upon its passage.

FRANK A. MUSGROVE,
Speaker of the House of Representatives.
WILLIAM D. SWART,
President of the Senate.

Approved April 15, 1911.

ROBERT P. BASS,
Governor.

Samuel J. Lord was elected engineer of the board of public works for the term of six years.

Organization for the Year.

BOARD OF PUBLIC WORKS.

MAYOR EDWARD C. SMITH, *Chairman.*
WILLIAM MCELROY.
BYRON WORTHEN.
SAMUEL J. LORD, *Engineer of the Board.*

OFFICE.

Harrie H. Clement, chief clerk.
E. Park Stevens, assistant clerk.
Felix A. Lepage, stenographer and typewriter.

HIGHWAY AND SEWER DEPARTMENTS.

George P. Ames, superintendent, Division No. 2.
Emile A. Blanchet, timekeeper, Divisions No. 2 and 10.
Alphonse Laberge, superintendent, Division No. 10.
Charles Francis, superintendent, Division No. 7.
Shirley Merrill, superintendent and timekeeper, Division No. 5.
Byron E. Moore, superintendent and timekeeper, Division No. 4.
Nelson W. Paige, superintendent and timekeeper, Division No. 9.

STREET CLEANING DEPARTMENT.

Levi J. Proctor, superintendent.
Harry T. George, timekeeper.

PARKS AND COMMONS DEPARTMENT.

A. J. Seastrom, superintendent and timekeeper.

The following contracts were awarded by the board during the year:

Brick—W. F. Head & Son, Hooksett, N. H.
Broken Stone—Massachusetts Broken Stone Co., Boston, Mass.
Brown-Tail Moth—Daniel F. Cronin, Manchester, N. H.
Cement—Henry W. Parker, Manchester, N. H.
City Farm—Leased from aldermanic committee on city farm.
City Yard—Amoskeag Manufacturing Co., Manchester, N. H.
Concreting Elm Street, Prospect Street Northerly—Robie Consolidated Concrete Co., Manchester, N. H.
Granite Curbing—Evariste Dionne, Manchester, N. H.
Granite Paving Blocks—Palmer & Garmon, Manchester, N. H.
Iron Castings—Concord Foundry & Machine Co., Concord, N. H.
Lumber—Benjamin F. Greer, Grasmere, N. H.
Oats—F. H. Masse & Co. (three cars), Manchester, N. H.
Plants—F. J. Bixby, Manchester, N. H.
Sewer Pipe—Eastern Clay Goods Co., Boston, Mass.
Truck (Peerless)—William C. Spear, Manchester, N. H.

Cash was paid into the city treasury for labor done or material furnished (or both) by this department by persons, firms, or corporations and credited to appropriations, as listed in the following schedule.

All moneys are paid direct to the city treasurer and do not pass through the hands of the board.

For more detailed statements see credits under appropriations cited.

Name.	Appropriation.	Cash.	Total.
American Locomotive Co....	Repairs of sewers.....	.....	$2.66
Amoskeag Mfg. Co.....	New highways.....	.....	945.00
Amoskeag Mfg. Co.....	New sewers.....	.....	481.06
Anderson, Charles H.....	Repairs of highways.....	.....	34.45
Austin, C. L.....	New sewers.....	.....	9.25
Barbeau, Arthur.....	Repairs of highways.....	.....	1.50
Barnard, H. W.....	Repairs of highways.....	.....	2.00
Barnard, Mrs. Margaret A..	New sewers.....	.....	8.97
Beede, F. D.....	Repairs of highways.....	.....	2.80
Bixby, J. D.....	New sewers.....	.....	4.00
Boisclair, Charles.....	Repairs of highways.....	.....	2.80
Boisvert, Victor.....	New sewers.....	.....	2.40
Bolton, Thomas.....	Repairs of sewers.....	.....	2.19
Brooks & Brock.....	New sewers.....	.....	14.00
Brooks, C. A.....	New sewers.....	.....	7.00
Brophy, Rev. John J.....	New sewers.....	.....	17.62
Brown, Charles W., Agent..	Cutting and trimming trees..	.....	8.29
Brown, G. H.....	Repairs of highways.....	.....	10.50
Brown, R. C.....	New sewers.....	$2.82 2.82	
		.....	5.64
Brown, William G.....	New sewers.....	.....	2.70
Buswell, F. P.....	New sewers.....	.....	1.92
Cavanaugh Bros.....	City teams.....	.....	492.60
Cavanaugh, James F.....	Watering streets.....	.....	2,972.81
Chadwick, Mrs. Della M....	New sewers.....	.....	4.62
Chatel, Henry.....	New sewers.....	.....	1.53
Cole, Harry E.....	New sewers.....	.....	1.10
Connor, J. J.....	Street sweeping.....	.....	3.00
Corey, William.....	New sewers.....	.....	63.84
County of Hillsborough....	Brown-tail and gypsy moth...	.....	2.17
	New sewers.....	.....	7.84
	Grading for concrete.....	.....	21.05
Cunningham, T. C.....	New sewers.....	.....	3.30
Daniels-Cornell Co.....	Repairs of highways.....	.....	5.45
DeCourcy J. H., Coal Co..	Cutting and trimming trees...	.....	3.00
Dodge, James E.....	Snow and ice and cleaning sts	.....	4.75
Dodge, James E., Agent....	Snow and ice and cleaning sts	.....	64.03
Dunbar, W. E., & Sons....	Repairs of highways.....	$1.76 5.14	
		.....	6.90
Durgin, Clarence H.....	Snow and ice and cleaning sts	.....	2.12
Fisher, F. W.....	New sewers.....	.....	1.52
Floyd, Charles M.....	Repairs of highways.....	.....	9.20
Freeman, William J.....	Repairs of sewers.....	.....	2.30
French, J. D.....	Repairs of highways.....	.....	2.00
Gault, John.....	New sewers.....	.....	14.78
Garland, N. O.....	Paving streets.....	.....	2.00
Garon, Edward.....	New sewers.....	.....	4.95
Gilmartin, Joseph.....	New sewers.....	.....	7.86
Giroux, C. J.....	Stark park.....	.....	6.41
Goodwin, W. E.....	New sewers.....	.....	10.50
Gould, H. D.....	New sewers.....	.....	9.90
Hall, Melvin.....	New sewers.....	.....	6.88
Hamel, Fred.....	New sewers.....	.....	2.82
Harrington, W. F.....	Repairs of highways.....	.....	127.79
Hartshorn, J. E.....	New sewers.....	.....	15.54
Hayes, Hiram S.....	New sewers.....	.....	2.15
Healy, Elmer.....	New sewers.....	.....	2.88
Hill, A. H.....	New sewers.....	.....	.28
Hodge, Jere.....	New sewers.....	.....	26.13
Holbrook, Harry S.....	New sewers.....	.....	35.01
Hood, H. P., & Sons.....	Repairs of highways.....	.....	1.66
Hubbell, E. E.....	New sewers.....	.....	8.80
Inter-State Land Co.....	New sewers.....	.....	31.50
Jodoin, A.....	New sewers.....	.....	8.80
Johnson, J. O.....	New sewers.....	.....	3.80
Kendrick, C. S.....	New sewers.....	.....	16.53
Kentro, R. P.....	Repairs of highways.....	.....	1.00
Knights of Columbus.....	Repairs of sewers.....	.....	22.81
Kuehn, Frederick.....	New sewers.....	.....	114.62
Laflamme, Joseph R.....	Repairs of sewers.....	.....	1.19

NAME.	Appropriation.	Cash.	Total.
Lambert, Aime	Repairs of highways		$4.28
Langdell, George	New sewers		9.90
Leavitt, Frank E.	New sewers		9.00
Ley, The F. T., Co.	New sewers		24.00
Lindsay, J. W.	New sewers		9.95
Livingston, F. C.	New sewers		6.07
Magoon, Grace E.	Repairs of sewers		7.38
Mahoney, Thomas	New sewers		7.00
Manchester St. Railway	Repairs of sewers	$79.19	
		147.00	
			226.19
	New sewers		138.76
	Paving streets	$2,711.76	
		81.36	
		5,310.73	
			8,103.85
	Snow and ice and cleaning sts	$95.84	
		10.15	
			105.99
	Repairs of highways	$4.88	
		781.16	
			786.04
	Street sweeping	$21.39	
		632.17	
		4.13	
		1,721.10	
		255.56	
		240.98	
			2,875.33
	Bridges		312.47
Manchester Supply Co.	New sewers		92.75
Manchester T., L., & P. Co.,	Street sweeping		11.66
Manchester Water Works	Repairs of highways	$2.31	
		30.68	
		5.89	
			38.88
	New sewers	$62.84	
		1,500.00	
			1,562.84
	Street sweeping	$3.38	
		12.39	
		3.50	
			19.27
	Stark park	$9.00	
		7.95	
			16.95
Matheson, Robert	New sewers		8.50
McCabe, W. H.	Repairs of highways		3.65
McDonald, C. F.	Repairs of sewers	$3.29	
		2.60	
			5.89
McElroy, William	Stark park		6.00
McElwain, W. H. Co.	Repairs of highways		14.42
McPherson, William	New sewers		4.59
	Repairs of highways		6.79
McQuesten & Lewis	Repairs of highways		2.00
Mendell, The J. H., Co.	Repairs of highways		12.00
Moquin, Camille	New sewers		5.50
Moore & Preston Coal Co.	Repairs of highways		3.00
Morell, Henry	New sewers		4.40
Morganstern, Bernard	New sewers		7.25
Morisette, Denis	Repairs of highways		4.00
New Eng. Tel. & Tel. Co.	Repairs of highways	$1.80	
		4.44	
		4.16	
		4.64	
		4.28	
			19.32
	Street sweeping		19.51
	Repairs of sewers	$59.13	
		2.90	
			62.03

NAME.	Appropriation.	Cash.	Total.
New Eng. Tel. & Tel. Co...	Snow and ice and cleaning sts	$4.60	
		4.92	
		4.69	
		4.97	
		4.94	
		4.89	
			$29.01
Nichols, J. F.	New sewers	.....	37.42
Olsen, Frank	New sewers	.....	13.20
Ouellette, Paul	City teams	$10.00	
		10.00	
		10.00	
		10.00	
			40.00
Paige, W. P.	Paving streets	.....	2.20
	New sewers	.....	2.20
Palmer & Garmon	Repairs of highways	.....	296.19
Paradis, T.	Grading for concrete	.....	12.27
Pariseau & Deschenes	Snow and ice and cleaning sts	.....	.92
Parker, Dr. D. W.	Repairs of highways	.....	14.58
Parker, Walter M.	New sewers	.....	12.24
Pellerin, Mrs.	Repairs of highways	.....	1.80
People's Gas Light Co.	Repairs of highways	$1.63	
		10.25	
		19.52	
			31.40
Peterson, Alma	Repairs of highways	.....	2.00
Pike & Heald Co.	New sewers	$6.68	
		.77	
			7.45
Pinard, Edmond	Repairs of sewers	.....	3.78
Pine Grove Cemetery	New sewers	.....	137.07
Poirier, H. M.	City teams	$10.00	
		10.00	
		10.00	
		10.00	
		10.00	
		10.00	
			60.00
Poor, F. P.	New sewers	.....	5.49
Powers, H. W.	New sewers	.....	2.78
Prescott, W. E.	Repairs of highways	.....	15.93
Rhodes, Nettie T.	Repairs of highways	.....	5.28
Richards & Thornton	Grading for concrete	.....	5.40
	Repairs of sewers	.....	4.39
Ried, James	Repairs of highways	.....	2.00
Rowell, Charles	Repairs of sewers	.....	2.32
Roy, Laurent	New sewers	.....	7.70
St. Anselm's College	New sewers	.....	16.80
Sargent, F. S.	New sewers	.....	1.10
Savage Bros.	Repairs of highways	.....	1.00
Schoninger, Oscar	City teams	.....	43.30
School board	Snow and ice and cleaning sts	.....	50.25
Seastrom, John	Stark park	.....	7.20
Simpson, Charles H.	Repairs of sewers	.....	3.45
Smith, T. B., & Co.	New sewers	.....	9.58
State Industrial school	Brown-tail and gypsy moth	.....	5.40
Steele, C. D., & Co.	City teams	.....	36.90
	New sewers	.....	2.10
Stevens, John H.	New sewers	$21.10	
		42.84	
			63.94
Sturtevant, Dr. C. B.	Repairs of highways	.....	21.52
Sullivan, Chester L.	Repairs of sewers	.....	1.80
Tax collector	Brown-tail and gypsy moth	.....	1,182.84
Thibeault, A.	Grading for concrete	.....	5.94
Tibbetts, F. H.	New sewers	.....	4.04
Tirrell, A. H.	New sewers	.....	1.12
Trudeau, Mrs. A.	New sewers	.....	12.56
Wagner, Adolph	Repairs of highways	.....	53.59
Weber, Henry	New sewers	.....	9.00

NAME.	Appropriation.	Cash.	Total.
Wells, F. E.	New sewers	$1.25 8.75	
			$10.00
Wilbur, J. W., Land Co.	New sewers	.....	15.30
	Repairs of highways	.....	6.00
Willis, John R.	Repairs of highways	.....	1.00
Woodeson, S. E.	New sewers	.....	3.30
			$22,609.93

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1911.

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
A, south side	Boynton, westerly	n	May 26	3	
A, south side	B, easterly	n	May 26	2	
A, south side	At the foot of Bowman	n	May 26		1
Adams, north side	Main, westerly	n	May 26	1	
Adams, north side	Notre Dame avenue, westerly	n	May 26	1	
Agawam, north side	Davis, easterly	n	May 26	2	
Amherst, south side	Beech east back, easterly	m	April 10	1	
Amory St. Extension, south side	Amory to Bartlett	n	May 26	7	
Amory, south side	Cartier, easterly	n	May 26	1	
Amory, south side	Cartier to Dubuque	n	May 26	3	
Amory, south side	Dubuque to Rimmon	n	May 26	3	
Amory, south side	Rimmon, westerly	n	May 26	1	
Amory, south side	Hevey, easterly	n	May 26	1	
Amory, south side	Hevey, westerly	n	May 26	1	
Amory, south side	Montgomery east back, westerly	n	May 26	1	
Amory, south side	Cartier to Dubuque	n	May 26		3
Amory, south side	Rimmon east back, easterly	n	May 26		1
Amory, south side	Rimmon, easterly	n	May 26		1
Amory, south side	Rimmon, westerly	n	May 26		1
Amory, north side	Hevey east back, easterly	n	May 26		1
Amory, north side	Hevey, easterly	n	May 26		1
Amory, north side	Montgomery east back, easterly	n	May 26		1
Auburn south back, south side	Barry avenue to Union	n	October 10	3	
Auburn south back, south side	Union to Beech	n	October 10	4	
Auburn south back, north side	Beech, easterly	m	March 14	3	
Auburn south back, south side	Wilson to Hall	n	October 10	4	
Auburn south back, south side	Hall, easterly	n	October 10	2	
B, east side	C, southerly	n	May 26	2	
B, east side	C to A	n	May 26	3	
B, east side	A to Milford	n	May 26	3	
Baker, north side	Calef road, westerly	n	October 10	1	
Bank, north side	Boynton to Huntress	n	May 26	3	
Barr, west side	Granite to Douglas	n	May 26	2	
Barr, west side	Conant, southerly	n	May 26	2	
Beacon, west side	Spruce, northerly	n	October 10	2	
Beacon, east side	Merrimack to Hanover	n	October 10	4	
Beacon, west side	Manchester, northerly	n	October 10	1	

Beacon, west side	Manchester, southerly	n	October 10	2	.....
Beech, east side	Auburn south back, north side	m	March 14	1	.....
Beech, east side	Summer, northerly	m	March 14	1	.....
Beech, east side	Summer, southerly	m	March 14	1	.....
Beech, west side	Hayward to Auburn	n	October 10	19	.....
Beech, east side	Auburn to Hanover	n	October 10	23	.....
Beech east back, west side	Amherst to Hanover	m	April 10	2	.....
Beech east back, west side	Concord to Amherst	m	April 10	4	.....
Belmont, west side	Portsmouth railroad to Valley	n	October 10	1	.....
Belmont, west side	Portsmouth railroad to Bell	n	October 10	1	.....
Belmont, west side	Bell to Grove	n	October 10	2	.....
Belmont, west side	Grove to Green	n	October 10	3	.....
Belmont, west side	Green to Summer	n	October 10	2	.....
Belmont, east side	Grove to Summer	n	October 10	.....	5
Belmont, west side	Harvard to Prescott	n	October 10	3	.....
Belmont, west side	Young, south side	n	October 10	1	.....
Belmont, west side	Young to Hayward	n	October 10	2	.....
Belmont, west side	Hayward to Valley	n	October 10	4	.....
Belmont, east side	Valley, southerly	n	October 10	.....	2
Belmont, east side	Between Spruce and Massabesic	n	October 10	1	.....
Belmont, east side	Spruce to Lake avenue	n	October 10	2	.....
Belmont, east side	Lake avenue to Central	n	October 10	2	.....
Belmont, east side	Laurel to Merrimack	n	October 10	2	.....
Belmont, west side	Spruce to Massabesic	n	October 10	.....	1
Belmont, west side	Between Spruce and Lake avenue	n	October 10	.....	1
Belmont, west side	Lake avenue to Central	n	October 10	.....	2
Blaine, northerly side	Between Hiram and Second	n	May 26	1	.....
Blaine, northerly side	Second to Third	n	May 26	2	.....
Bremer north back, north side	Rimmon to Coolidge avenue, west back	n	May 26	2	.....
Bridge, 10 feet west of west line of Highland	From Manchester Street Railway tracks northerly to waiting room	m	May 3	U. C.°	.....
Brown avenue, southeasterly side	Elm to Cheney place	m	July 26	6	.....
Brown avenue, southeasterly side	Cheney place to Shasta	m	July 26	4	.....
Brown avenue, northwesterly side	Elm to Hancock	n	October 10	5	.....
Brown avenue, northwesterly side	Hancock to Vernon	n	October 10	4	.....
Brown avenue, northwesterly side	Vernon to Byron	n	October 10	2	.....
Brown avenue, west side	Elm, southerly	n	October 10	.....	1
Brown avenue, east side	Elm to Cheney place	n	October 10	.....	3
Brown avenue, east side	Vernon to Cheney place	n	October 10	.....	2
Brown avenue, east side	Vernon, southerly	n	October 10	.....	1
Brown avenue, west side	Byron, northerly	n	October 10	.....	1
Byron, south side	Brown avenue to Boston & Maine railroad	m	July 26	13	.....
Byron, south side	Boston & Maine railroad, westerly	m	July 26	3	.....
C, south side	B, easterly	n	May 26	2	.....
Cass, east side	Lake avenue to Laurel	n	October 10	4	.....
Calef road, west side	Baker to Welch avenue	n	October 10	6	.....
Calef road, west side	Welch avenue to Elm avenue	n	October 10	2	.....

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1911.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Calef road, west side	Elm avenue, north side	n	October 10	1	.....
Calef road, west side	Baker, southerly	n	October 10	11	.....
Candia road, north side	Mammoth road to Revere avenue	n	October 10	6	.....
Canton, west side	Spruce to Lake avenue	n	October 10	2	.....
Canton, east side	Between Spruce and Lake avenue	n	October 10	.....	1
Cartier east back, east side	Kelley, southerly	n	May 26	5	.....
Cartier east back, east side	Wilton to Adams	n	May 26	2	.....
Cartier east back, east side	Adams to Schuyler	n	May 26	2	.....
Cartier east back, east side	Schuyler to Sullivan	n	May 26	3	.....
Cartier east back, east side	Sullivan, northerly	n	May 26	2	.....
Cedar south back, north side	Chestnut to Pine	n	October 10	3	.....
Cedar south back, north side	Pine to Union	n	October 10	4	.....
Cedar south back, north side	Union, easterly	n	October 10	2	.....
Cedar south back, north side	Maple to Lincoln	n	October 10	6	.....
Central, south side	Cass, westerly	n	October 10	4	.....
Central, south side	Hall, westerly	n	October 10	2	.....
Central, south side	Hall to Belmont	n	October 10	3	.....
Central, south side	Milton, westerly	n	October 10	2	.....
Central, south side	Milton, easterly	n	October 10	1	.....
Central south back, north side	Wilson to Hall	n	October 10	4	.....
Central south back, north side	Chestnut to Pine	n	October 10	3	.....
Central south back, north side	Pine to Union	n	October 10	5	.....
Central south back, north side	Union to Beech	n	October 10	5	.....
Central south back, north side	Beech to Maple	n	October 10	6	.....
Central south back, south side	Beech, easterly	n	October 10	2	.....
Chase avenue, northeasterly side	Opposite Hayes avenue	n	October 10	1	.....
Chestnut, west side	Valley, southerly	m	July 26	3	.....
Conant, north side	Main to Notre Dame avenue	n	May 26	3	.....
Conant, north side	Notre Dame avenue to Cartier	n	May 26	3	.....
Conant, north side	Cartier to Dubuque east back	n	May 26	2	.....
Conant, south side	West to Barr	n	May 26	.....	2
Cypress, east side	Spruce, southerly	n	October 10	1	.....
Cypress, east side	Between Hayward and Valley	n	October 10	2	.....
Cypress, east side	Between Valley and Massabesic	n	October 10	2	.....
Cypress, west side	Portsmouth railroad, southerly	n	October 10	.....	2

Cypress, east side	Between Massabesic and Valley	n	October 10		1
D, southeasterly side	Mast road, southwesterly	m	July 26	3	
Dartmouth, southeasterly side	West Hancock, southeasterly	n	May 26	1	
Douglas, north side	Main to West	n	May 26	3	
Douglas, north side	West to Barr	n	May 26	5	
Douglas, north side	Barr to Green	n	May 26	2	
Douglas, north side	Green to Quincy	n	May 26	3	
Dubuque, east side	Bremer, southerly	n	May 26	2	
Dubuque east back	Kelley to Bremer	n	May 26		4
Dubuque east back, west side	Kelley, south side	n	May 26	1	
Dubuque east back, west side	Kelley to Bremer	n	May 26	5	
Dubuque east back, west side	Putnam to Wayne	n	May 26	5	
Dubuque east back, west side	Wayne, northerly	n	May 26	1	
Dubuque east back, east side	Conant to Gates	n	May 26	4	
Dubuque east back, east side	Gates, northerly	n	May 26	1	
Elm avenue, north side	Elm to Calef road	n	October 10	2	
Falls avenue, southeasterly side	Old Falls road, northeasterly	n	October 10	2	
Granite, southeasterly side	Manchester & North Weare railroad, southeasterly	n	March 17	1	
Green, west side	Granite to Douglas	n	May 26	2	
Green, west side	Conant, southerly	n	May 26	2	
Grove, south side	Taylor, westerly	n	October 10	4	
Groveland avenue, west side	Candia road, northerly	n	May 26	7	
Hall, west side	Merrimack to Manchester	n	October 10	3	
Hall, west side	Manchester to Hanover	n	October 10	2	
Hall, west side	Central to Central south back	n	October 10	2	
Hall, west side	Central south back, southerly	n	October 10		1
Hall, west side	Between Central and Central south back	n	October 10		1
Hall, east side	Green to Summer south back	n	October 10	2	
Hall, east side	Auburn south back, south side	n	October 10	1	
Hall, east side	Auburn, southerly	n	October 10	1	
Hall, east side	Cedar, southerly	n	October 10	2	
Hall, east side	Harvard to Silver	m	July 26	3	
Hall, east side	Harvard to Prescott	m	July 26	4	
Hall, east side	Prescott to Young	m	July 26	2	
Hall, east side	Young to Hayward	m	July 26	1	
Hall, east side	Hayward, northerly	m	July 26	1	
Hancock West, northeasterly side	Dinsmoor to Second	n	May 26	3	
Hancock West, northeasterly side	Second to Dartmouth	n	May 26	5	
Hancock West, northeasterly side	Dartmouth to South Main	n	May 26	5	
Hanover, south side	Beacon to Hubbard	n	October 10	2	
Hanover, south side	Between Hubbard and Alfred	n	October 10	1	
Hanover, south side	Opposite Alfred	n	October 10	1	
Hanover, south side	Alfred, easterly	n	October 10	1	
Hanover, south side	Opposite Alfred	n	October 10		1
Hanover, south side	Alfred, westerly	n	October 10		1
Harriman, northwesterly side	Sheridan, southerly	n	May 26	1	
Hayes avenue, southeasterly side	Massabesic to Chase avenue	n	October 10	3	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1911.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Hayward, north side	Porter, westerly	n	October 10	1	
Hayward, north side	Porter to Mammoth road	n	October 10	5	
Hayward, south side	Taylor, easterly	n	May 26	3	
Hayward, north side	Opposite Prout avenue	n	October 10	1	
Hayward, north side	Between Prout avenue and Riley avenue	n	October 10	1	
Hayward, north side	Riley avenue, easterly	n	October 10	1	
Hayward, south side	Prout avenue, west side	n	October 10		1
Hayward, south side	Riley avenue, westerly	n	October 10		1
Head, east side	McClintock to Durham	n	May 26	9	
Head, east side	Durham, southerly	n	May 26	2	
Hevey east back, east side	Conant to Gates	n	May 26	4	
Hevey east back, west side	Columbus avenue to Wayne	n	May 26	2	
Hevey east back, west side	Wayne to Amory	n	May 26	6	
Highland, west side	East High, northerly	m	April 4	3	
Highland, west side	East High, southerly	m	April 4	2	
Hillcrest avenue, south side	Brown avenue to Elm	m	July 26	11	
Hillcrest avenue, south side	Elm to Calef road	m	July 26	6	
Huntress, west side	At foot of Bank	n	May 26	1	
Huntress, west side	Bank, southerly	n	May 26	1	
Jewett, east side	Merrill, southerly	n	October 10	2	
Jewett, east side	Merrill, southerly	n	October 10		1
Kelley, south side	Kimball, easterly	n	October 10	1	
Kelley, south side	Kimball to Manchester & North Weare railroad	n	October 10	10	
Kelley, south side	Manchester & North Weare railroad, westerly	n	October 10	1	
Kimball, east side	Kelley, southerly	n	October 10	5	
Laurel avenue, east side	Merrimack to Merrimack south back	n	October 10	1	
Laurel avenue, east side	Merrimack south back to Laurel	n	October 10	1	
Laurel avenue, east side	Laurel to Laurel south back	n	October 10	1	
Laurel avenue, east side	Laurel south back to Central	n	October 10	1	
Laurel avenue, west side	Laurel to Merrimack	n	October 10		2
Laurel avenue, west side	Central to Laurel	n	October 10		2
Laurel, north side	Wilson, westerly	n	October 10	3	
Laurel, north side	Wilson to Hall	n	October 10	4	
Laurel, north side	Hall to Belmont	n	October 10	2	
Laurel, north side	Between Belmont and Milton	n	October 10	1	

Laurel, north side	Milton to Beacon	m	October 10	2	
Laurel south back, south side	Laurel avenue to Pine	n	October 10	2	
Laurel south back, north side	Laurel avenue to Pine	n	October 10		2
Lake ave. south back, south side	Beech to Union	n	October 10	4	
Lake ave. south back, south side	Wilson, easterly	n	October 10	3	
Lake Shore road, easterly	From end of present pole line, southerly to residence of Henry Duncan	n	October 10	13	
Lincoln, east side	Merrimack south back, north side	n	October 10	1	
Lincoln, east side	Merrimack to Manchester	n	October 10	2	
Lincoln, west side	Monadnock lane, north side	n	October 10	1	
Lincoln, east side	Between Merrimack and Manchester	n	October 10		1
Lincoln, east side	Lake avenue, northerly	n	May 26	1	
Lincoln, east side	Lake avenue, southerly	n	May 26	1	
Lincoln, east side	Spruce, northerly	n	May 26	1	
Lincoln, east side	Spruce, southerly	n	May 26	1	
Londonderry lane, north side	Maple, easterly	n	October 10	4	
Londonderry lane, north side	Maple, easterly	n	October 10		3
Malvern, northeasterly side	Bridge, southeasterly	n	March 31	1	
Main, east side	At foot of Sullivan	n	May 26	1	
Main, east side	At foot of Sullivan	n	May 26		1
Main, east side	At foot of Conant	n	May 26	1	
Main, east side	At foot of Adams	n	May 26	1	
Main, east side	At foot of Adams	n	May 26		1
Main, east side	At foot of Schuyler	n	May 26	1	
Main, east side	At foot of Schuyler	n	May 26		1
Main west back, west side	Adams to Wilton	n	May 26	2	
Mammoth road, east side	Oakland avenue, southerly	n	March 17	1	
Manchester, north side	Belmont to Milton	n	October 10	2	
Manchester, north side	Milton to Beacon	n	October 10	3	
Manchester, north side	Lincoln to Wilson	n	October 10	6	
Manchester, south side	Lincoln, easterly	n	October 10		1
Maple, east side	Lake Avenue south back to Lake avenue	n	October 10	1	
Maple, east side	Lake avenue to Central	n	October 10	3	
Maple, east side	Central, northerly	n	October 10	2	
Maple, east side	Portsmouth railroad, southerly	n	October 10	1	
Maple, east side	Portsmouth railroad, northerly	n	October 10	1	
Maple, east side	Silver, northerly	n	October 10	2	
McDuffie, north side	Boynton to Huntress	n	May 26	3	
Merrimack, north side	Wilson to Hall	n	October 10	2	
Merrimack, south side	Hall to Belmont	n	October 10	3	
Merrimack, south side	Milton to Beacon	n	October 10	2	
Merrimack, south side	Beacon, easterly	n	October 10	2	
Merrimack, north side	Beacon, easterly	n	October 10		1
Merrimack, south side	Between Milton and Beacon	n	October 10		1
Merrimack, south side	Hall to Belmont	n	October 10		2
Merrimack, north side	Between Wilson and Hall	n	October 10		1
Merrimack south back, north side	Laurel avenue to Pine	n	October 10	3	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1911.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Merrimack south back, north side	Pine to Union	n	October 10	4	.....
Merrimack south back, north side	Union, easterly	n	October 10	2	.....
Merrimack south back, north side	Beech, westerly	n	October 10	1	.....
Merrimack south back, north side	Beech to Maple	n	October 10	6	.....
Merrimack south back, south side	Beech to Maple	n	October 10	.....	6
Milton, east side	Lake avenue to Central	n	October 10	3	.....
Milton, east side	Central to Laurel	n	October 10	2	.....
Milton, east side	Laurel to Merrimack	n	October 10	2	.....
Milton, east side	Merrimack to Manchester	n	October 10	2	.....
Milton, east side	Manchester to Hanover	n	October 10	2	.....
Milton, east side	Hanover to Amherst	m	October 10	2	.....
Monadnock lane, north side	Union, westerly	n	October 10	1	.....
Monadnock lane, north side	Beech, westerly	n	October 10	1	.....
Monadnock lane, north side	Beech, easterly	n	October 10	1	.....
Monmouth, north side	Main, easterly	n	May 26	2	.....
Montgomery east back, east side	Conant to Gates	n	May 26	4	.....
Montgomery east back, west side	Kelley to Bremer	n	May 26	6	.....
Mystic, north side	Beech, easterly	m	March 16	4	.....
Old Falls road, southwesterly side	Spruce to Massabesic	n	October 10	4	.....
Old Falls road, northeasterly side	Hayes avenue, northwesterly	n	October 10	2	.....
Oakland avenue, south side	Mammoth road to Revere avenue	n	March 17	5	.....
Oakland avenue, south side	Revere avenue to Mystic avenue	n	March 17	2	.....
Oakland avenue, south side	Mystic avenue to Woodbine avenue	n	March 17	2	.....
Oakland avenue, south side	Woodbine avenue to Orchard avenue	n	March 17	2	.....
Oakland avenue, north side	Revere avenue, westerly	n	March 17	.....	2
Pennacook south back, south side	Pine to Union	m	May 26	6	.....
Pine, west side	Harrison, northerly about 100 feet	m	March 16	1	.....
Pine, east side	Cedar south back to Cedar	n	October 10	2	.....
Pine, east side	Cedar to Spruce	n	October 10	2	.....
Pine, east side	Spruce, northerly	n	October 10	1	.....
Pine, east side	Merrimack south back to Merrimack	n	October 10	2	.....
Pine, east side	Merrimack, northerly	n	October 10	1	.....
Pine, west side	Merrimack to Monadnock lane	n	October 10	.....	1
Pine, west side	Merrimack, south side	n	October 10	.....	1
Pine east back, west side	At foot of Auburn south back	n	October 10	1	.....
Prince, south side	Boynton to Huntress	n	May 26	5	.....

Prospect south back, north side	Pine, easterly	m	March 2	3	
Putnam, south side	Bartlett to Gates	n	May 26	9	
Putnam, south side	Gates to Columbus avenue	n	May 26	3	
Putnam, south side	Dubuque, westerly	n	May 26	1	
Putnam, south side	Dubuque, easterly	n	May 26	1	
Reed east back, east side	Amory to Kelley	n	May 26	5	
Rimmon east back, east side	Putnam to Wayne	n	May 26	4	
Rimmon east back, east side	Wayne to Amory	n	May 26	5	
Rimmon east back, east side	Amory to Kelley	n	May 26	7	
Rimmon east back, east side	Kelley to Bremer	n	May 26	6	
Rimmon east back, west side	Conant to Gates	n	May 26	5	
Rimmon east back, west side	Amory to Kelley	n	May 26	7	
Rimmon east back, west side	Kelley to Bremer	n	May 26	6	
Rimmon east back, west side	Bremer, northerly	n	May 26	4	
River road, east side	Trenton, southerly	n	May 26	3	
River road, east side	Trenton, northerly	n	May 26	8	
River road, west side	Agawam, northerly	n	May 26	2	
River road, west side	Cloyde, northerly	n	May 26	1	
Schuyler, north side	Main to Notre Dame avenue	n	May 26	3	
Schuyler, north side	Notre Dame avenue to Cartier	n	May 26	2	
Second, west side	Cleveland, southerly	m	March 2	3	
Sheridan, southwesterly side	Boynton to Patterson	n	May 26	2	
Sheridan, southwesterly side	Patterson to Harriman	n	May 26	3	
Silver, north side	Union to Beech	m	July 26	5	
Silver, north side	Beech to Maple	m	July 26	7	
Silver, north side	Maple to Boston & Maine railroad	m	July 26	2	
Silver, north side	Boston & Maine railroad, easterly	m	July 26	2	
Silver, north side	Lincoln, easterly	m	July 26	4	
Silver, north side	Hall, easterly	m	July 26	1	
Silver, north side	Wilson to Hall	m	July 26	6	
Silver, north side	Pine to Union	m	July 26	5	
Silver, north side	Willow to Pine	m	July 26	4	
Silver, north side	Willow, westerly	m	July 26	1	
Smyth road, southerly side	Sagamore to Kennard road	n	October 10	14	
South road, northerly side	Willow, easterly	n	March 17	11	
Spruce, north side	Cypress to Canton	n	October 10	3	
Spruce, north side	Canton, easterly	n	October 10	1	
Spruce, south side	Belmont, westerly	n	October 10	1	
Spruce, south side	Belmont to Old Falls road	n	October 10	2	
Spruce, south side	Old Falls road to Beacon	n	October 10	3	
Spruce, south side	Opposite Beacon	n	October 10	1	
Spruce, south side	Beacon, easterly	n	October 10	4	
Spruce, south side	Belmont, west side	n	October 10		1
Spruce south back, north side	Wilson, westerly	n	October 10	3	
Spruce south back, north side	Wilson to Hall	n	October 10	4	
Spruce south back, north side	Hall to Massabesic	n	October 10	3	
Spruce south back, north side	Barry avenue to Union	n	October 10	3	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1911.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Spruce south back, north side	Union to Beech	n	October 10	4	
Spruce south back, north side	Beech, easterly	n	October 10	1	
Summer south back, south side	Wilson to Hall	n	October 10	4	
Sullivan, north side	Notre Dame avenue, easterly	n	May 26	1	
Sullivan, north side	Notre Dame avenue to Cartier	n	May 26	3	
Sullivan, north side	Cartier to Columbus avenue	n	May 26	2	
Sylvester, north side	Bismarck to Avon	n	October 10	6	
Union, east side	Central south back to Central	n	October 10	2	
Union, east side	Central to Laurel	n	October 10	3	
Union, east side	Laurel, north side	n	October 10	1	
Union, west side	Green south back, northerly	n	October 10	1	
Union, west side	Grove, northerly	n	October 10	1	
Union, east side	Summer to Auburn	n	October 10	3	
Union, east side	Auburn to Cedar	n	October 10	3	
Union, east side	Cedar to Spruce	n	October 10	3	
Union, east side	Between Lake avenue south back and Lake avenue	n	October 10	1	
Union, east side	Spruce south back, southerly	n	October 10		1
Valley, north side	Cypress to Jewett	n	October 10	3	
Valley, north side	Jewett to Massabesic	n	October 10	8	
Valley, south side	Foster avenue, westerly	n	October 10		1
Valley, south side	Foster avenue to Jewett	n	October 10		2
Valley, south side	Jewett to Massabesic	n	October 10		7
Waldo, south side	Everett, west side	n	October 10	1	
Ward, north side	River road to Edgar	n	May 26	8	
Webster, south side	Bay, east side	m	March 3	1	
Webster West, north side	Elm to River road	n	May 26	5	
Webster West, south side	Chandler, westerly	n	May 26		1
West, west side	Parker to Granite	n	May 26	4	
West, west side	Granite, northerly	n	May 26	1	
West, east side	Parker to Clinton	n	May 26		2
West, east side	Between Clinton and Granite	n	May 26		1
West, east side	Granite, northerly	n	May 26		1
Wilkins, south side	Warner, west side	m	May 26	1	
William, south side	Warner, easterly	m	May 26	1	
Willow, east side	Valley, northerly	n	March 9	2	
Willow, east side	Valley to Hayward	n	March 9	6	

Willow, east side	Hayward, southerly	n	March 9	3	.....
Willow, west side	Hayward, southerly at a point opposite Willow	n	March 9	1	.....
Wilson, west side	Laurel, northerly	n	October 10	1	.....
Wilson, east side	Manchester to Hanover	n	October 10	2	.....
Wilson, east side	Laurel, northerly	n	October 10	.....	1
Wilson, east side	Summer to Summer south back	n	October 10	1	.....
Wilson, east side	Auburn, southerly	n	October 10	1	.....
Wilson, east side	Auburn to Cedar	n	October 10	2	.....
Wilson, east side	Cedar to Spruce	n	May 26	3	.....
Wilton south back, south side	Notre Dame avenue, westerly	n	October 10	2	.....
Winter, north side	West of South Main, westerly to No. 81 Winter	n		3	.....
				944	93

o Uunderground conduit.
m Manchester Traction, Light & Power Co.
n New England Telephone & Telegraph Co.

APPROPRIATION FOR STREET AND PARK COMMISSION.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Automobile hire.....	W. Y. Hadlock.....	$10.00		$10,000.00	Common council	Street and Park Commission
	Manchester Auto Garage...	14.00				
	Smith & Johnson.....	10.00				
	William C. Spear.....	64.00				
			$98.00			
Book-binding	Temple & Farrington Co...	.....	34.40			
Gasoline	William C. Spear.....	.....	1.00			
Ice	Manchester Coal & Ice Co.	$4.28				
	Standard Ice Co.....	7.55				
			11.83			
Miscellaneous expenses	E. Park Stevens.....	.....	32.17			
Office furniture.....	George D. Fitts.....	.....	12.25			
Office supplies.....	Burroughs Adding Machine Co.	$2.70				
	E. H. Chadbourne, P. M...	50.00				
	George D. Fitts.....	5.10				
	W. P. Goodman.....	66.74				
	Ideal Stamp Co.....	12.60				
	Melvin & Fitts.....	1.50				
	Francis Pratt, Jr.....	1.50				
	Remington Typewriter Co.	5.40				
	Temple & Farrington Co...	28.50				
	J. B. Varick Co.....	.10				
	Samuel Ward Co.....	2.00				
	Weed-Parsons Printing Co.	5.00				
	F. S. Webster Co.....	.15				
			181.29			
Printing	John B. Clarke Co.....	$85.50				
	The Ruemely Press.....	58.50				
	J. Arthur Williams.....	14.65				
			158.65			
Repairing clock.....	Henry I. Lemay.....	.....	2.50			
Salaries of members of the board.....	William McElroy.....	$750.00				
	Byron Worthen.....	750.00				

	Samuel J. Lord	366.64				
			1,866.64			
Salary of engineer	Samuel J. Lord	.....	1,066.64			
Salary of superintendents	George P. Ames	$1,500.00				
	Charles Francis	1,200.00				
	Alphonse Laberge	1,092.00				
			3,792.00			
Salaries of timekeepers	Emile A. Blanchet	$735.48				
	Noyes B. Cummings	30.40				
	Harry T. George	91.98				
	Felix A. Lepage	20.30				
			878.16			
Salaries of inspectors	Noyes B. Cummings	$76.00				
	George B. True	226.25				
			302.25			
Salaries of clerks	Harrie H. Clement	$1,019.31				
	Harry T. George	36.00				
	Felix A. Lepage	31.50				
	Frank L. McAllister	72.00				
	E. Park Stevens	828.09				
			1,986.90			
Subscription	Good Roads Magazine	$1.00				
	Municipal Journal	3.00				
			4.00			
Telephone	N. E. T. & T. Co.	.....	193.68			
Traveling expenses of board	William McElroy	$62.45				
	Byron Worthen	91.75				
			154.20			
			$10,777.11	$10,000.00		
				777.11	Common council	Overdraft
			$10,777.11	$10,777.11		

APPROPRIATION FOR STREET AND PARK COMMISSION.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Printing	$158.65	.0148
Repairs	2.50	.0002
Salaries	9,892.59	.918
Supplies	245.32	.023
Telephones	193.68	.018
Transportation	284.37	.026
Total expenditures	$10,777.11	
Appropriation		$10,000.00
Overdraft		777.11
	$10,777.11	$10,777.11

The office of the board of public works has issued permits during the year 1911 as follows:

Advertising	2
Boston & Maine Railroad, underground conduits	2
Circus	2
Connecting with sewer	180
Cutting trees	3
Digging cellar	1
Erecting new buildings	15
Erecting fire-escapes	3
Exhibition	1
Grading lot	1
Laying gas pipe	1
Moving building	6
Moving material	2
Peddler's stand	8
Repairing buildings	76
Repairing track	3
Repairing sidewalk	1
Repairing sewer	47
Repairing water pipe	11
Underground conduits M. T. L. & P. Co.	1
Underground conduits N. E. T. & T. Co.	12
Total number of permits granted	378

HIGHWAY DEPARTMENT.

BRIDGES, CITY TEAMS, CITY YARD, GRADING FOR CONCRETE, MACADAMIZING, NEW HIGHWAYS, PAVING STREETS, REPAIRS OF HIGHWAYS, WATERING STREETS, BROWN-TAIL AND GYPSY MOTHS, CUTTING AND TRIMMING TREES, AND ELM LEAF BEETLE

APPROPRIATION FOR BRIDGES.

FINANCIAL STATEMENT.

EXPENDITURES.				RECEIPTS.		
For	To	Cr.		Dr.	By	For
Car tickets	Manchester Street Railway	.....	$2.50	$8,000.00	Common council	Bridges
Carbolineum	Carbolineum Wood Preserving Co.	.....	130.38	312.47	Manchester St. Ry.	Labor and material
Castings	Concord Foundry & Machine Co.	.....	236.75			
Coal tar	People's Gas Co.	.....	6.25			
Freight	C. F. Babbitt	$4.94				
	Boston & Maine R. R.	5.46				
			10.40			
Iron pipe fence	Pike & Heald Co.	.....	10.85			
Labor	Champagne & Charnley	.....	6.00			
Lumber	Adams & Nichols	$167.27				
	Champagne & Charnley	13.50				
	B. F. Greer	1,099.24				
	W. S. Lumber Co.	377.83				
			1,657.84			
Paving pitch	Barrett Mfg. Co.	.....	51.52			
Payroll	Division No. 2	$2,195.07				
	5	26.60				
	7	2.61				
	10	190.08				
			2,414.36			
Repairing tar concrete	Robie Con. Con. Co.	.....	189.28			
Replanking (contract)	The J. H. Mendell Co.	.....	997.42			
Steel beams	The United Cons. Co.	.....	2,416.77			
Supplies	American Locomotive Co.	$3.00				
	Amoskeag Mfg. Co.	4.08				
	J. B. Varick Co.	173.15				
			180.23			
			$8,310.55	$8,312.47		
Balance	Common council	.....	1.92			
			$8,312.47	$8,312.47		

APPROPRIATION FOR BRIDGES.

Itemized Operations.

Location.	Nature of Work.	Cost Data. Lumber.	Paint.	Contract.	Steel Beams.	Castings.
Amoskeag bridge	Putting up and taking down wind break	.....	.....	.....	.....	.....
" "	Repairing (replanking roadway) and shingling east end of bridge	$1,226.14*	.....	$997.42	.....	.....
Adams North	Putting in pipe culvert	.....	.....	.....	.....	.....
Bald Hill road	Repairing culvert	2.51	.....	.....	.....	.....
Byron	Planking railroad crossing (old plank)	.....	.....	.....	.....	.....
Canal bridge at West Bridge	Repairing	61.73	.....	.....	.....	.....
Chester turnpike	Repairing culvert	2.74	.....	.....	.....	.....
Cohas brook	Repairing	31.90	$0.28	.....	.....	.....
Front street at Black brook	Repairing	68.78	.....	.....	.....	.....
Goffs Falls bridge, Brown avenue	Repairing	123.22	.....	.....	.....	.....
Granite bridge	Putting up and taking down wind break	.....	.....	.....	.....	.....
" "	Work for contractors hauling supplies, etc.	.....	.....	.....	.....	.....
Hanover street at Page	Repairing culvert	.....	.....	.....	.....	.....
Main-street bridge	Repairing fence (pipe)	.....	.....	.....	.....	.....
Mast road culvert	Hauling gravel	.....	.....	.....	.....	.....
McGregor bridge	Repairing east end of McGregor bridge (363†); steel floor beams, new sidewalk, and roadway planking; roadway paved with wood blocks	1,242.51	137.18	.....	$2,416.77	$243.83
Mill road at Cohas brook	Replanking	111.53	.....	.....	.....	.....
Parker street	Replanking	12.92	.....	.....	.....	.....
Railroad street	Repairing culvert	.....	.....	.....	.....	.....
Second street	Repairing	.....	.....	.....	.....	.....
	Miscellaneous work	.....	.....	.....	.....	.....
		$2,883.98	$137.46	$997.42	$2,416.77	$243.83

*Lumber on hand, furnished to contractor by city and deducted from contract price. This item is not included in the amount under the "Contract" column, but is deducted from the final total cost.

†Wood block paving on hand. This amount is deducted from the final total cost.

‡Supplies on hand. This amount is deducted from the final total cost.

APPROPRIATION FOR BRIDGES.—*Concluded.*

Location.	Cost Data.								
	Repairs.	Transportation and Freight.	Spikes, Nails, Bolts.	Paving Pitch.	Wood blocks.	Pipe and Cement.	Labor.	Teams.	Total Cost.
Amoskeag bridge	.....	.....	.....	.....	.....	.....	$9.52	$4.26	$13.78
" "	.....	.....	.....	.....	.....	.....	5.43	3.51	2,232.50
Adams, north	.....	.....	.....	.....	.....	$3.90	1.50	.....	5.40
Bald Hill road	.....	.....	.....	.....	.....	.....	2.54	.....	5.05
Byron	.....	.....	$0.63	.....	.....	.....	8.28	4.44	13.35
Canal bridge at West Bridge	.....	.....	2.50	.....	.....	.....	15.48	5.78	85.49
Chester turnpike	.....	.....	.....	.....	.....	.....	3.50	.....	6.24
Cohas brook	.....	.....	12.63	.....	.....	.....	36.32	2.34	83.47
Front street at Black brook	.....	.....	5.13	.....	.....	.....	24.56	12.25	110.72
Goffs Falls bridge, Brown avenue	.....	$2.50	9.13	.....	.....	.....	53.95	4.18	192.98
Granite bridge	.....	.....	.....	.....	.....	.....	18.93	8.76	27.69
" "	.....	.....	.....	.....	.....	20.14	8.72	10.10	38.96
Hanover street at Page	.....	.....	.....	.....	.....	15.98	12.75	.....	28.73
Main-street bridge	.....	.....	.....	.....	.....	.....	.68	.....	.68
Mast road culvert	.....	.....	.....	.....	.....	.....	18.75	10.00	28.75
McGregor bridge	.....	.....	68.84‡	.....	.....	.....	.....	.....	68.84
Mill road at Cohas brook	.....	10.40	64.79	$51.52	$1,854.00†	41.04	1,682.74	213.12	7,957.90
Parker street	.....	.....	4.50	.....	.....	.....	10.74	6.75	133.52
Railroad street	.....	.....	5.00	.....	.....	.....	80.46	21.04	119.42
Second street	$189.28	.....	.....	.....	.....	.....	10.50	.....	199.78
	.....	.....	.....	.....	.....	3.80	15.68	7.50	26.98
	.....	.....	.....	.....	.....	.....	79.30	.....	79.30
	$189.28	$12.90	$173.15	$51.52	$1,854.00	$84.86	$2,100.33	$314.03	$11,459.53

Total cost		$11,459.53
*Lumber	$1,226.14	
†Wood blocks	1,854.00	
‡Supplies	68.84	
		3,148.98
		$8,310.55

APPROPRIATION FOR BRIDGES.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Castings		$243.83	.030
Contract		997.42	.120
Freight		12.90	.002
Lumber*		1,657.84	.200
Paint		137.46	.020
Paving (wood blocks)†			
Payroll, Division 2	$2,195.07		
5	26.60		
7	2.61		
10	190.08		
		2,414.36	.290
Pipe		84.86	.010
Pitch (paving)		51.52	.006
Repairs		189.28	.020
Steel beams		2,416.77	.290
Supplies‡		104.31	.012
			1.000
Total expenditures		$8,310.55	
Appropriation			$8,000.00
Receipts			312.47
Balance		1.92	
		$8,312.47	$8,312.47

*Lumber to the amount of $1,226.14 was taken from stock on hand carried over from 1910 and was not included in the item under Lumber.

†Wood paving blocks to the amount of $1,854.00 were taken from stock on hand carried over from 1910, and were not included in the item under Wood Paving Blocks.

‡Supplies to the amount of $68.84 were taken from stock on hand carried over from 1910 and were not included in the item under supplies.

APPROPRIATION FOR CITY TEAMS.

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Brick	W. F. Head & Sons	.....	$91.38		$43.30	Oscar Schoninger	Hogs
Coal	L. B. Bodwell	.....	168.02		36.90	C. D. Steele & Co.	Hogs
Freight	Boston & Maine R. R.	.....	23.68	$80.20			
Gasoline	Manchester Auto Garage	$2.25		492.60		Cavanaugh Bros.	Horses
	Standard Oil Co.	49.38			$40.00	Paul Ouellette	Rent
			51.63		60.00	H. M. Poirier	
Grain	Arthur S. Brown	$484.12		100.00			
	F. H. Masse & Co.	2,563.16		15,000.00		Common council	City teams
			3,047.28				
Harness repairs	William L. Comire	$71.40					
	Alva Silva	18.50					
	Joseph Vogel & Co.	165.75					
			255.65				
Hay	W. W. Bassett	$410.79					
	William Clark	251.60					
	Rt. Rev. G. A. Guertin	35.79					
			698.18				
Ice	Manchester C. & I. Co.	.....	4.40				
Insurance	Everett & Bunton	.....	20.00				
Labor	Champagne & Charnley	$17.75					
	The S. P. Dodge Co.	51.95					
	Fred M. Dow & Sons	20.00					
	Ira W. Dickey	5.08					
	Head & Dowst Co.	5.20					
	Leighton Machine Co.	11.70					
	Manchester Machine Works	1.75					
	Robie Con. Con. Co.	17.00					
	Walter L. Roper	4.50					
			134.93				
Lights	M. T., L. & P. Co.	$81.98					
	People's Gas Co.	194.04					
			276.02				

Lumber	Champagne & Charnley	$27.55					
	West Side Lumber Co.	216.55					
			244.10				
New equipment	Coates Clipper Mfg. Co.	.....	100.80				
Oil	Standard Oil Co.	.....	49.26				
Payroll	Division No. 2	$8,042.60					
	10	3.32					
	Commons	29.70					
			8,075.62				
Rent of city farm	Committee on city farm	.....	1,020.00				
Repairs to equipment	Manchester Auto Garage	$54.10					
	Red Arrow Garage	2.50					
	Watson Wagon Co.	7.15					
			63.75				
Supplies	Adams Bros.	$5.60					
	Amoskeag Mfg. Co.	4.20					
	Corrugated Bar Co.	200.61					
	Farrell Bros.	63.78					
	Frost Paint & Mfg. Co.	112.25					
	Hamblet & Haines Co.	58.49					
	P. Harrington & Sons	9.00					
	Leighton Machine Co.	5.18					
	Fred F. Osgood	14.86					
	H. W. Parker	2.95					
	Pike & Heald	4.03					
	B. M. Prescott, Jr.	10.00					
	Ranno Saddlery Co.	8.50					
	J. B. Varick Co.	575.12					
			1,074.57				
Team hire	Emile Blanchet	$57.12					
	Alphonse Laberge	168.00					
			225.12				
Tools	John B. Varick Co.	.....	84.75				
Veterinary services and medicine	Dr. J. L. Golden	$64.65					
	A. J. Precourt & Co.	6.69					
			71.34				
Water	Water commissioners	.....	70.75				
			$15,851.23	$15,672.80			
				178.43	.....	Common council	Overdraft
			$15,851.23	$15,851.23			

APPROPRIATION FOR CITY TEAMS.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Brick		$91.33	.006
Contracts		1,380.05	.087
Equipment		100.80	.006
Feed		3,745.46	.236
Freight		23.68	.001
Fuel		168.02	.011
Ice		4.40	.0003
Insurance		20.00	.0012
Lights		276.02	.018
Lumber		244.10	.015
Payroll:			
Division 2	$8,042.60		
10	3.32		
Commons	29.70		
		8,075.62	.509
Repairs		319.40	.0201
Supplies		1,175.46	.074
Tools		84.75	.005
Veterinary services		71.34	.004
Water		70.75	.004
Total expenditures		$15,851.23	
Appropriation			$15,000.00
Credits			672.80
Overdraft			178.43
		$15,851.23	$15,851.23

APPROPRIATION FOR CITY YARD.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Payment on real estate.....	Amoskeag Mfg. Co...		$5,000.00	$6,000.00	Common council.....	City Yard.....
Payroll	Division No. 2.....		37.92			
Salary of inspector.....	George B. True.....		38.25			
Supplies	J. H. Mendell Co....	$0.90				
	John B. Varick Co...	9.16				
			10.06			
			$5,086.23	$6,000.00		
Balance	Common council.....	.....	913.77			
			$6,000.00	$6,000.00		

APPROPRIATION FOR CITY YARD.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Contract	$5,000.00	.983
Inspector	38.25	.008
Payroll, Division 2	37.92	.007
Supplies	10.06	.002
Total expenditures	$5,086.23	
Appropriation		$6,000.00
Balance	913.77	
	$6,000.00	$6,000.00

APPROPRIATION FOR GRADING FOR CONCRETE.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Corner curbing.....	Palmer & Garmon.....	$56.92		$21.05	County of Hillsboro	Curbing .....
	Evariste Dionne.....	171.29		12.27	T. Paradis.....	" .....
			$228.21	5.40	Richards & Thornton	" .....
Gasoline	Manchester Auto Garage...	.....	1.50	5.94	A. Thibeault.....	" .....
Payroll	Division No. 2	$2,972.92		3,000.00	Common council.....	Grading for concrete.....
	7	222.27				
	10	1,242.70				
	Commons	25.20				
			4,463.09			
Repairing granolithic walk	Amoskeag Mfg. Co.....	.....	3.64			
Repairing concrete walks	Robie Cons. Con. Co.....	.....	48.77			
Setting curbing.....	Alphonse Laberge.....	.....	62.59			
Supplies	J. B. Varick Co.....	.....	14.63			
			$4,822.43	$3,044.66		
				1,777.77	Common council.....	Overdraft .....
			$4,822.43	$4,822.43		

APPROPRIATION FOR GRADING FOR CONCRETE—SETTING EDGESTONE AND CORNER CURB.

Street.	Location.	Size of circle.	Cost of circle.	Length of circle.	Length of Edgestone.	Labor.	Total cost.
Alsace	Kelley, northerly				126	$21.84	$21.84
Amherst	Nutfield lane, southeast corner	1-3	$2.82	4.71	148.5	32.33	35.15
Amherst	Pine, southwest corner				214	22.80	22.80
Amory	At No. 44 to No. 46 (reset)				45	5.15	5.15
Auburn	Chestnut, northeast corner	1-3	2.82	4.71	165	12.14	14.96
Beacon	Hanover, northeast corner (old flagging reset)	2-3	5.64	9.42	264	84.79	90.43
Beech	East Spruce, northeast corner	1-3 1-10	12.24	20.41	95	13.94	26.18
Birch	Washington, southwest corner	1-10	9.42	15.70	84	17.50	26.92
Bridge	Belmont	1-10	9.42	15.70	4	5.12	14.54
Bridge, West	McGregor, northeast corner	2-3 4-10	43.32	72.22	74.5	29.17	72.49
Cartier					52	7.32	7.32
Cartier	At No. 228				50	4.73	4.73
Cedar	Lincoln, southeast corner	1-3 1-10	12.24	20.41	150	14.97	27.21
Central, West	State to Bedford	4-3 2-10	30.12	50.24	400	50.65	80.77
Chestnut (east side)	Pennacook to Sagamore	1-10	9.42	15.70	225	18.53	27.95
Chestnut	Pearl, northeast corner				24	2.44	2.44
Church	Washington (reset)				100	14.34	14.34
Church, North	Between Pearl and Orange (old flagging)				200	21.16	21.16
Clay	Between Lincoln and Wilson				50	4.40	4.40
Concord (south side)	Between Belmont and Beacon	2-3 1-10	15.06	25.12	235	33.50	48.56
Concord	Porter avenue, southwest corner	1-8	7.53	12.56	115	20.92	28.45
Cypress	Clay, northwest corner	1-10	9.42	15.70	124	13.86	23.28
Dubuque					50	3.98	3.98
Dubuque east back	Between Amory and Wayne				38	7.72	7.72
Elm (east side)	South of Baker				164	20.22	20.22
Elm (west side)	Between Dean and Langdon (reset)				275	20.63	20.63
Elm	West Clarke, southwest corner	1-12	11.30	18.84 old	18	2.88	14.18
Hanover	Between Lincoln and Ashland				176	13.48	13.48
Hanover (south side)	Between Pine and Union	1-3	2.82	4.71	74	9.42	12.24
Hanover	Hubbard, easterly				115	8.50	8.50
Hanover (north side)	Beacon, easterly (reset)				60	26.57	26.57
Hanover	At I. O. O. F. block					34.82	34.82
Harrison	East of Linden				91	10.52	10.52

Harvard	West of Hall				50	7.66	7.66
Hayward	Riley avenue					13.86	13.86
Hayward	Mammoth road	1-12	11.30	18.84	248	39.42	50.72
High, East	South	1-10	9.42	15.70	18	6.48	15.90
High, East	Highland, easterly				296	43.16	43.16
Highland	Lowell to East High	1-10	9.42	15.70	427	40.67	50.09
Hubbard	Hanover, northerly				50	3.17	3.17
Hubbard	Concord	1-10	9.42	15.70	51	7.96	17.38
Lake avenue	Between Hall and Belmont				100	8.88	8.88
Lake avenue	At No. 270				45	5.26	5.26
Lake avenue	Massabesic					28.24	28.24
Leggett court	Main, westerly	1-3	2.82	4.71	77	17.46	20.28
Leggett court	Between Main and Martin lane (reset)				44.5	9.26	9.26
Lincoln (west side)	East Spruce, southerly	1-10	9.42	15.70	95	7.65	17.07
Lincoln	Cedar, southeast corner	1-3 1-10	12.24	20.41	175	22.81	35.05
Lincoln	Manchester, southwest corner	1-10	9.42	15.70	251	52.33	61.75
Lowell	Ashland, southeast corner	2-3 1-10	15.06	25.12	122	12.23	27.29
Main	Wayne, northeast corner	1-8	7.53	12.56	105	23.23	30.76
Manchester (north side)	Between Pine and Union				48	5.41	5.41
Manhattan lane	Central, southerly	1-3	2.82	4.71	60	14.57	17.39
Maple	Between Central and Laurel (old)				60	4.68	4.68
Massabesic	At Independent Oil Co.	2-3	5.64	9.42	10	7.01	12.65
Massabesic	Hayward	1-12	11.30	18.84		9.90	21.20
Mast	At Bobbin shop				17	5.00	5.00
Mechanic (south side)	Hampshire lane, westerly (reset)	1-3	2.82	4.71	150	40.56	43.38
Milford	At No. 203	1-8	7.53	12.56	57	16.72	24.25
Milford	William, northwest corner				41	11.26	11.26
Monadnock lane	Union, easterly (old)	3-3	8.46	14.13	291	45.18	53.64
Montgomery	Amory, northwest corner				89	16.53	16.53
Monroe (south side)	East of River road	1-3	2.82	4.71	157	17.14	19.96
Nelson	Hall road	1-10	9.42	15.70	50	7.66	17.08
Newell	State to Bedford (reset)	2-10	18.84	31.40	340	34.00	52.84
Notre Dame avenue	Schuyler	1-3 1-10	12.24	20.41	233	48.11	60.35
Payson	State to Bedford (reset)	2-3 2-10	24.48	40.82	380	38.00	62.48
Pearl	Between Elm and Chestnut				25	4.08	4.08
Pennacook	At Elm east back	1-3	2.82	4.71		2.19	5.01
Pennacook	Union, southwest corner	1-10	9.42	15.70		5.85	15.27
Pennacook (north side)	Chestnut, easterly	1-3	2.82	4.71	85	6.94	9.76
Pennacook (south back)	Union	1-3	2.82	4.71	7	2.34	5.16
Pine (west side)	Sagamore, southerly	1-10	9.42	15.70	100	29.92	39.34
Pine	Concord, southeast corner	1-3 1-8	10.35	17.27	140	42.37	52.72

APPROPRIATION FOR GRADING FOR CONCRETE—SETTING EDGESTONE AND CORNER CURB.—*Concluded.*

STREET.	LOCATION.	Size of Circle.	Cost of Circle.	Length of Circle.	Length of Edgestone.	Labor.	Total Cost.
Prospect (south side)	Between Elm and Chestnut....	.....	.....	.....	150	$15.50	$15.50
Rimmon	At No. 577.....	.....	.....	.....	50	3.39	3.39
River road.....	Park avenue (reset).....	2-10	18.84	31.40	95	8.53	27.37
River road.....	Readey (reset).....	2-10	18.84	31.40	49	28.67	47.51
River road (east side)	North of Readey.....	8-3	22.56	37.68	524	91.69	114.25
River road (east side)	West Webster.....	1-10	9.42	15.70	.....	2.00	11.42
Sagamore (south side)	Chestnut, easterly.....	1-10	9.42	15.70	85	6.94	16.36
Silver	West of Wilson.....	.....	.....	.....	71	4.40	4.40
Silver	West of Hall.....	.....	.....	.....	75	9.90	9.90
Somerville	Hall	.....	.....	.....	50	4.62	4.62
Somerville	West of Taylor.....	.....	.....	.....	100	11.88	11.88
Spruce, East (south side)	Lincoln, westerly.....	.....	.....	.....	69	5.58	5.58
Spruce south back...	Lincoln, westerly.....	.....	.....	.....	68	11.54	11.54
State	Granite to north of West Central	3-3	8.46	14.13	904	82.83	91.29
Taylor	Dearborn	1-10	9.42	15.70	118	36.47	45.89
Union	Valley	1-3 1-10	12.24	20.41	150	16.28	28.52
Union	East Spruce, northeast corner..	.....	.....	.....	160.5	15.86	15.86
Union	Between Sagamore and Salmon	1-3	2.82	4.71	55	11.30	14.12
William		1-3	2.82	4.71	57	6.96	8.78
Wilson	Harvard south back.....	1-3	2.82	4.71	7	3.83	6.64
	County jail.....	2-8	15.06	25.12	.....	6.00	21.06
			$556.38	927.87	11,338.00	$1,758.65	$2,315.03

Length of curbing set, 11,338 feet; length of circles set, 927.87 feet.
Cost of setting curbing, $0.143 per lineal foot.
Curbing is furnished and delivered by the abutters and set by the city.
Curbing (circles) to the amount of $328.17 was taken from stock on hand and was not included in the item under "Curbing" in the percentage report.
Total length of curbing set, 12,265.87 feet.
Circles are furnished, delivered, and set by the city.

APPROPRIATION FOR GRADING FOR CONCRETE—GUTTER PAVING.

Street.	Location.	Length.	Width.	Square Yards.	Labor.	City Teams.	Hired Teams.	Total Cost.
Adams	Between Main and Notre Dame avenue	25	3.5	9.72	$2.76	.....	.....	$2.76
Alsace	Kelley, northerly	254	3	84.66	25.70	.....	$10.00	35.70
Amherst (north side)	Between Elm and Nutfield lane (relaid)	.....	...	.....	15.83	3.36	1.67	20.86
Amherst	Pine, westerly	50	2	11.11	2.53	.....	.....	2.53
Amory	Pellerin lane	22	5	12.22	3.75	.....	.....	3.75
Amory	At No. 53 (driveway)	36	5	20.00	6.63	.....	1.25	7.88
Amory	At No. 44 and No. 46	45	2	10.00	2.58	.....	.....	2.58
Arlington	Ashland to Morrison	650	3.5	252.77	88.36	.....	18.89	107.25
Auburn	Chestnut	140	1.5	23.33	6.00	.....	.....	6.00
Beacon	Between Concord and Lowell	275	3	91.66	17.50	.....	.....	17.50
Beech	East Spruce, northeast corner (relaid)	100	2	22.22	4.63	2.50	.....	7.13
Beech	East Spruce, northwest corner	90	3	30.00	15.33	.....	.....	15.33
Bridge, West	McGregor	83	3	27.66	8.93	.....	.....	8.93
Cartier	.....	52	3	17.33	7.31	.....	.....	7.31
Cartier	At No. 228 (relaid)	50	3	16.66	4.73	.....	.....	4.73
Central, West	State to Bedford	375	3	125.00	50.65	1.51	1.66	53.82
Chester	Lincoln, easterly	461	3	153.66	36.64	.....	8.75	45.39
Chestnut (east side)	Between Pennacook and Sagamore (relaid)	225	2	50.00	7.20	.....	.....	7.20
Chestnut	Pearl, northeast corner	24	2	5.33	2.44	.....	.....	2.44
Church, North	Between Pearl and Orange	200	1	22.22	29.22	.....	10.00	39.22
Clay	West of Wilson	50	3	16.66	4.22	.....	.....	4.22
Concord	Belmont, easterly	235	3	78.33	28.12	.....	10.00	38.12
Concord (south side)	Between Belmont and Beacon (driveway)	28	8	24.88	2.39	.....	.....	2.39
Concord	Porter avenue	80	3	26.66	17.82	2.50	7.05	27.37
Concord (south side)	Pine, easterly	100	3	33.33	14.11	1.67	.....	15.78
Cypress	Clay	134	3	44.66	35.41	.....	.....	35.41
Dearborn	Summer, southerly, east and west sides (relaid)	732	3	244.00	69.52	.....	.....	69.52
Dubuque	Between Putnam and Wayne	243	2.5	67.50	19.15	.....	15.00	34.15
Dubuque	.....	50	3	16.66	3.98	.....	.....	3.98
Elm (west side)	Between Dean and Langdon	275	2	61.11	20.63	.....	4.44	25.07
Granite (south side)	Elm, westerly (relaid)	20	4	8.88	2.00	.....	.....	2.00
Harrison	East of Linden	100	3	33.33	13.39	.....	.56	13.95
Hanover	Between Lincoln and Ashland	70	2	15.55	6.57	.....	.....	6.57

APPROPRIATION FOR GRADING FOR CONCRETE—GUTTER PAVING.—*Concluded.*

Street.	Location.	Length.	Width.	Square Yards.	Labor.	City Teams.	Hired Teams.	Total Cost.
Hanover	Between Pine and Union (relaid)	65	1.5	10.83	4.71	1.25	.....	5.96
Hanover	Hubbard, easterly	33	3	11.00	4.25	.....	.....	4.25
Hanover	Beacon	93	3	31.00	6.50	2.96	.....	9.46
Hayward	Mammoth road	52	3	17.33	8.02	2.00	.....	10.02
High, East	South, westerly	106	3.5	41.22	15.55	1.40	2.50	19.45
High, East	Highland, easterly	300	3	100.00	32.05	.....	.....	32.05
Highland	Lowell to East High	315	3	105.00	12.36	.....	.....	12.36
Hubbard	Hanover, northerly	170	3	56.66	12.38	1.25	.....	13.63
Hubbard	Concord	176	3.5	68.44	17.14	.....	5.00	22.14
Lake avenue (north side)	Between Lincoln and Hall	.....	...	.....	11.00	.....	.....	11.00
Lake avenue (south side)	Between Hall and Belmont (relaid)	172	3	57.33	15.81	.39	.....	16.20
Lake avenue (south side)	Between Beech and Maple	80	3	26.66	3.99	.....	5.00	8.99
Lake avenue (south side)	At No. 270	100	3	33.33	5.26	.....	.....	5.26
Lake avenue (south side)	Wilson, easterly	282	3	94.00	20.79	.....	.....	20.79
Leggett court	Between Main and Martin lane	119	3	38.93	15.11	.....	5.00	20.11
Lincoln	Cedar, southeast corner	150	3	50.00	4.68	5.01	.....	9.69
Lowell	Ashland, southeast corner	119	2	26.44	7.22	.....	.....	7.22
Main	Wayne, northeast corner	73	3	24.33	5.86	.....	.....	5.86
Main, South	Near Milford (driveway)	12	6	8.00	5.50	.....	.....	5.50
Manchester (north side)	Between Pine and Union (relaid)	35	4	15.55	5.42	.....	.....	5.42
Manchester (north side)	Lincoln	168	2	37.33	13.49	.....	.....	13.49
Manhattan lane	Central, southerly	50	2	11.11	7.28	.....	.....	7.28
Mammoth road	Hayward	150	3	50.00	18.02	.....	6.00	24.02
Massabesic	Hayward	656	3	218.66	55.74	.....	3.75	59.49
Mast	At Bobbin Shop	25	3	8.33	20.23	.....	.....	20.23
Mast	At No. 68 (driveway)	10	6	6.66	3.43	.....	.....	3.43
Mechanic (south side)	Hampshire lane, westerly (relaid)	150	3	50.00	16.25	.....	12.21	28.46
Milford	William, northwest corner	86	2	19.11	11.26	.....	.....	11.26
Milford	At No. 203	14	2	3.11	3.85	.....	.....	3.85
Montgomery	Amory, northwest corner	89	2	19.77	13.23	.....	2.78	16.01
Monroe (south side)	East of River road	150	3	50.00	17.14	.....	5.00	22.14
Nelson	Hall road	50	3	16.66	8.02	.....	2.00	10.02

Newell	State to Bedford (relaid)	340	3	113.33	26.56	.94	1.68	29.18
Notre Dame avenue	Schuyler	117	3.5	45.50	22.42	.....	5.00	27.42
Notre Dame avenue	Schuyler (relaid)	44	3	14.66	3.86	.....	.....	3.86
Payson	State to Bedford	370	3	123.33	11.80	.93	1.66	14.39
Pearl (south side)	Between Elm and Chestnut (relaid)	40	3	13.33	4.07	.....	5.00	9.07
Pine	Amherst, southerly (relaid)	100	2	22.22	5.07	.....	.....	5.07
Putnam	Between Cartier and Dubuque	124	3	41.33	12.75	.....	.....	12.75
Rimmon	At No. 665	50	3	16.66	9.25	.....	2.50	11.75
Rimmon	At No. 377	12	4	5.33	2.76	.....	2.50	5.26
Rimmon	At No. 577	50	3	16.66	3.00	.....	.....	3.00
River road	Park avenue (relaid)	95	3	31.66	8.53	.....	.....	8.53
River road (east side)	Readey, northerly	654	3	218.00	36.43	.....	.....	36.43
River road (east side)	Between Readey and Park avenue	130	3.5	50.55	15.00	.....	1.25	16.25
Sagamore (north side)	Elm to Bay	300	3	100.00	26.73	.....	.....	26.73
Sagamore (south side)	Chestnut, easterly	85	2	18.88	3.60	.39	.....	3.99
School	Second to South Main	1,083	3	361.00	200.23	.....	5.00	205.23
Schuyler	Notre Dame avenue	507	3	169.00	61.38	.....	25.00	86.38
Second	Between Walker and Bath (driveway)	10.5	6	7.00	4.28	.....	.....	4.28
Second	.....	83	2.5	23.05	11.21	.....	5.00	16.21
Second	.....	290	3	96.66	42.00	.....	10.00	52.00
Silver	West of Wilson	71	3	23.66	6.34	.....	.....	6.34
South	East High, southerly	180	3.5	70.00	17.63	1.40	2.50	21.53
Spruce, East (south side)	Lincoln, westerly	110	3	36.66	6.52	.....	.....	6.52
State	Granite to north of West Central	1,015	3	338.33	105.52	.....	35.00	140.52
Taylor	Dearborn	100	3	33.33	19.70	.....	.....	19.70
Union	Valley, northwest corner	150	3	50.00	16.28	.....	.....	16.28
Union	East Spruce, northeast corner	160.5	3	53.50	14.69	.....	.....	14.69
Union	Between Sagamore and Salmon	55	3	18.33	4.39	.....	.....	4.39
Waldo	Elm to Everett	450	3.5	175.00	29.75	.....	10.00	39.75
William	Milford	54	2.5	17.77	15.02	.....	3.34	18.36
		16,164.5		5,268.62	$1,724.34	$29.46	$253.94	$2,007.74

Cobble and block paving were taken from stock on hand, carried over from 1910. The cost of these materials does not appear in the foregoing table. The cost of excavation, fill, teaming, sand, etc., is included under labor and teaming and is included in the foregoing table.

Total length of gutters paved, 16,164.5 feet.
Total number of square yards paved, 5,268.62.
Total cost of paving, $2,007.74.
Cost per square yard, 0.379.
Cost per lineal foot, 0.124.

APPROPRIATION FOR GRADING FOR CONCRETE—MISCELLANEOUS WORK.

Street.	Location.	Nature of Work.	Labor.	Teams.	Total Cost.
Alsace	Kelley, northerly	Grading sidewalk	$35.40	$12.50	$47.90
Amherst	Nutfield lane	Tearing up crossing	3.64	.....	3.64
Auburn, West (north side)	At Varick storehouse	Repairing sidewalk	2.78	.....	2.78
Auburn, West (south side)	Elm, westerly	Removing sand	2.34	1.67	4.01
Belmont	Between Lowell and East High	Grading sidewalk	6.44	2.22	8.66
Brown avenue		Filling hole in sidewalk	.44	1.12	1.56
Church, North	Between Pearl and Orange	Building bulkhead	1.86	.....	1.86
Concord	At No. 184	Filling hole in sidewalk	.....	.39	.39
Concord	Hubbard	Grading sidewalk	3.45	2.78	6.23
		Contract work, setting curbing	.....	.....	62.59
Elm		Hauling away old paving	.....	10.00	10.00
Elm		Hauling edgestone misplaced	2.76	1.67	4.43
Elm (east side)	South of Baker	Grading sidewalk	39.63	20.00	59.63
Glenwood avenue		Filling hole in sidewalk	6.65	5.00	11.65
Hanover	At I. O. O. F. block	Cleaning dirt from sidewalk	2.87	2.50	5.37
Hanover		Relaying brick sidewalk	20.98	6.66	27.64
Highland	Between Lowell and Bridge	Grading sidewalk	21.25	15.00	36.25
Lincoln	Between Auburn and East Spruce	Grading sidewalk	2.21	2.80	5.01
Lincoln	East Spruce	Grading sidewalk	29.59	15.56	45.15
Main, South	Near Allen	Repairing board walk	5.00	.....	5.00
Main, South	Winter to Conant	Repairing	36.23	5.00	41.23
		Miscellaneous	121.75	.....	121.75
Montgomery	Amory, northwest corner	Grading sidewalk	49.97	.....	49.97
Notre Dame avenue		Repairing	28.00	5.00	33.00
Notre Dame avenue	Schuyler	Grading sidewalk	22.42	20.00	42.42
Pine	Salmon	Filling hole in sidewalk	.....	.39	.39
		Repairs and supplies	.....	.....	68.54
River road	At L. G. Smith's	Grading sidewalk	32.16	9.63	41.79
River road	At L. G. Smith's	Grading, drawing loam and turfing	25.20	.....	25.20
River road	Readey, northerly and southerly	Grading sidewalk	17.82	5.00	22.82
Willow	At Manchester C. & I. Co.	Grading sidewalk with ashes	19.30	11.67	30.97
			$540.14	$156.56	$827.83

APPROPRIATION FOR GRADING FOR CONCRETE.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Contract		$62.59	.013
Curbing (circles)*		228.21	.047
Payroll, Division 2	$2,972.92		
7	222.27		
10	1,242.70		
Commons	25.20		
		4,463.09	.925
Supplies (miscellaneous)		16.13	.004
Repairs		52.41	.011
			1.000
Total expenditures		$4,822.43	
Appropriation			$3,000.00
Receipts			44.66
Overdraft			1,777.77
		$4,822.43	$4,822.43

*Curbing (circles) to the amount of $328.17 was taken from stock on hand, and was not included in the item under Curbing.

APPROPRIATION FOR MACADAMIZING STREETS.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Broken stone	Essex Trap Rock & Cons. Co.	$281.59		$14,200.00	Common council	Macadamizing streets
	Massachusetts Broken Stone Co.	3,026.78				
	Waltham Trap Rock Co.	212.43				
			$3,520.80			
Car service	Boston & Maine R. R.	.....	68.00			
Coal (steam)	L. B. Bodwell	$187.81				
	L. B. Bodwell & Co.	441.76				
			629.57			
Corner curbing	C. A. Bailey	$320.80				
	Evariste Dionne	83.84				
			404.64			
Electricity (crusher)	M. T., L. & P. Co.	.....	183.25			
Labor	John S. McElroy	.....	25.00			
Lake Ave. (contract)	Connolly & Diamond	.....	311.95			
Main St. (contract)	Connolly & Diamond	.....	330.55			
New equipment	J. B. Varick Co.	.....	275.00			
Oil	Standard Oil Co.	.....	3.58			
Paving blocks (granite)	Palmer & Garmon	.....	811.89			
Payroll	Division No. 2	$2,297.73				
	7	1,592.89				
			3,890.62			
Repairs to equipment	Buffalo Steam Roller Co.	.....	4.00			
Salary of inspector	Frank A. Angier	.....	37.80			
State aid (contract)	James F. Cavanaugh	.....	3,504.85			
Tools	J. B. Varick Co.	.....	20.99			
			$14,022.49	$14,200.00		
Balance	Common council	.....	177.51			
			$14,200.00	$14,200.00		

APPROPRIATION FOR MACADAMIZING STREETS.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Broken stone		$3,520.80	.251
Contracts		4,330.60	.309
Curbing		404.64	.030
Equipment		275.00	.019
Freight		68.00	.005
Fuel		629.57	.045
Granite paving blocks		811.89	.058
Inspecting		62.80	.004
Payroll, Division 2	$2,297.73		
7	1,592.89		
		3,890.62	.277
Repairs		4.00	.0003
Supplies		3.58	.0002
Tools		20.99	.0015
Total expenditures		$14,022.49	1.000
Appropriation			$14,200.00
Balance		177.51	
		$14,200.00	$14,200.00

APPROPRIATION FOR NEW HIGHWAYS.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Coal	L. B. Bodwell & Co.	.....	$76.51	$945.00	Amoskeag Mfg. Co.	Cement
Contract work	J. F. Cavanaugh	$1,000.00		5,000.00	Common council	New highways
	Hanscom Construction Co.	2,711.76				
			3,711.76			
Freight	Boston & Maine R. R.	$31.86				
	Henry W. Parker	19.70				
			51.56			
Iron fence	The Stewart Iron Works	.....	223.13			
Oil	Standard Oil Co.	.....	5.50			
Payroll	Division No. 2	.....	1,379.00			
Sand and gravel	Manchester Pressed Stone Co.	.....	50.00			
State aid (contract)	J. F. Cavanaugh	.....	500.00			
Supplies	Besse-Eldridge Co.	$0.42				
	J. B. Varick Co.	.74				
			1.16			
Tools	J. B. Varick Co.	.....	17.99			
Tool steel	Inter Oceanic Commercial Co.	.....	41.65			
			$6,058.26	$5,945.00		
				113.26	Common council	Overdraft
			$6,058.26	$6,058.26		

APPROPRIATION FOR NEW HIGHWAYS.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Contracts	$4,211.76	.695
Freight	51.56	.009
Fuel	76.51	.013
Gravel	50.00	.008
Payroll	1,379.00	.228
Supplies	271.44	.044
Tools	17.99	.003
Total expenditures	$6,058.26	1.000
Appropriation		$5,000.00
Credits		945.00
Overdraft		113.26
	$6,058.26	$6,058.26

APPROPRIATION FOR PAVING STREETS.

Financial Statement.

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Cement	Amoskeag Mfg. Co.	$236.43			$2,793.12	Manchester St. Ry.	Labor and material
	Manchester Supply Co.	906.00		$2,832.00	38.88	Manchester W. W.	Labor and material
	H. W. Parker	1,205.61			$2.20	W. P. Paige	Sewer pipe
Curbing	Charles A. Bailey	$435.33	$2,348.04	4.20	2.00	N. O. Garland	Sewer pipe
	Evariste Dionne	111.84		5,310.73		Manchester St. Ry.	Track blocks (gr.)
Freight	Boston & Maine R. R.	.....	547.17	20,000.00		Common council	Paving streets
Gasoline	Standard Oil Co.	.....	471.32				
Overcharge	People's Gas Co.	.....	18.24				
Paving (contract)	Connolly & Diamond	.....	6.71				
Paving (tar concrete)	Robie Cons. Con. Co.	.....	1,525.65				
Paving blocks (granite)	Palmer & Garmon	.....	983.81				
Paving blocks (wood)	Hanscom Construction Co.	.....	12,782.88				
Payroll	Division No. 2	$4,142.40	3,111.53				
	7	308.51					
	10	1,329.38					
Repairs to machinery	Amoskeag Mfg. Co.	$6.00	5,780.29				
	Dyar Supply Co.	34.36					
	Manchester Machine Works	6.65					
Salary of inspector	Frank A. Angier	.....	47.01				
Supplies	G. W. Dodge Shoe Co.	$4.00	127.63				
	Pike & Heald Co.	3.35					
	J. B. Varick Co.	57.56					
Tarvia	Barrett Mfg. Co.	.....	64.91				
Tools	J. B. Varick Co.	.....	284.24				
Water	John B. Smith	.....	37.50				
			10.00				
			$28,146.93	$28,146.93			

APPROPRIATION FOR PAVING STREETS.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Cement		$2,348.04	.083
Contract		2,509.46	.089
Curbing		547.17	.020
Freight		471.32	.016
Inspecting		127.63	.005
Granite paving blocks		12,782.88	.454
Payroll, Division 2	$4,142.40		
7	308.51		
10	1,329.38		
		5,780.29	.205
Repairs		47.01	.0016
Road oil (Tarvia)		284.24	.012
Supplies		89.86	.003
Tools		37.50	.001
Water		10.00	.0004
Wood paving blocks		3,111.53	.110
Total expenditures		$28,146.93	1.000
Appropriation			$20,000.00
Credits			8,146.93
		$28,146.93	$28,146.93

APPROPRIATION FOR REPAIRS OF HIGHWAYS.

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Asphalt liquid oil....	Robie Cons. Con. Co.....	.....	$214.71		$2.00	H. W. Barnard.....	Broken stone .....
Broken stone.....	Massachusetts Broken Stone Co.	$2,451.85			12.00	J. H. Mendell Co...	" " .....
	Winchester Stone Co.....	294.13			2.00	J. D. French.....	" " .....
			2,745.98		2.00	McQueston & Lewis.	" " .....
Claims	S. C. Kennard and H. L. Additon, trustees.....	$60.00			5.45	Daniels-Cornell Co...	" " .....
	Manchester Awning Co.....	12.00			2.00	James Ried.....	" " .....
			72.00		10.50	G. H. Brown.....	" " .....
Coal	L. B. Bodwell & Co.....	.....	5.35		4.00	Denis Morrisette.....	" " .....
Freight	Boston & Maine R. R.....	.....	8.65		2.80	F. D. Beede.....	" " .....
Gravel	Lawrence Connor.....	$11.90			14.58	Dr. D. W. Parker...	" " .....
	Eugene G. Libbey.....	4.20			189.76	Palmer & Garmon..	" " .....
	John S. Lovering.....	19.60			3.65	W. H. McCabe.....	" " .....
	A. N. Nettle.....	10.00			9.20	Charles M. Floyd...	" " .....
	Milton C. Paige.....	343.10			2.80	Charles Boisclair....	" " .....
	Robie Cons. Con. Co.....	9.50			2.00	Alma Peterson.....	" " .....
			398.30		34.45	Charles H. Anderson	" " .....
Labor	Head & Dowst Co.....	$1.60			1.00	Savage Bros.....	" " .....
	Charles F. McCarthy.....	5.25		$300.19			
			6.85		$1.00	John R. Willis.....	Chopping block .....
Lights	Standard Oil Co.....	.....	16.50		3.00	Moore & Preston Co.	" " .....
Lubricants	Vacuum Oil Co.....	.....	51.13		1.00	R. P. Kentro.....	" " .....
Lumber	W. S. Lumber Co.....	.....	25.00		1.50	Arthur Barbeau.....	" " .....
Paving (tar concrete)	Robie Cons. Con. Co.....	.....	1,153.95	6.50			
Payroll	Division No. 2	$9,973.91		1.80		N. E. T. & T. Co....	Curbing (old).....
	4	414.74			$4.28	Annie Lambert.....	Labor and material
	5	281.73			1.80	Mrs. Pellerin.....	" " "
	7	5,785.37			6.90	W. E. Dunbar & Sons	" " "
	9	862.39			1.66	H. P. Hood & Sons	" " "
	10	8,451.28			31.40	People's Gas Co.....	" " "
			25,769.42		786.04	Manchester St. Ry...	" " "
					17.52	N. E. T. & T. Co....	" " "
Repairs to equipment	American Locomotive Co...	$1.25			14.42	W. H. McElwain Co.	" " "
					106.43	Palmer & Garmon...	" " "

	A. B. Black Road Machine Co.	324.24			15.93	W. E. Prescott	"	"	"
	Buffalo Steam Roller Co.	117.31			21.52	Dr. C. B. Sturtevant	"	"	"
	Good Roads Machine Co.	188.67			53.59	Adolph Wagner	"	"	"
	Ingersoll-Sargent Drill Co.	180.23			5.28	Nettie T. Rhodes	"	"	"
	Manchester Machine Works	.39			6.79	William McPherson	"	"	"
			812.09	1,201.35	127.79	W. F. Harrington	"	"	"
Supplies	Detroit Graphite Co.	$83.70		30,000.00		Common council	Repairs of highways		
	Drew Machinery Agency	6.50							
	J. H. Mendell Co.	2.75							
	Pike & Heald Co.	11.18							
	J. B. Varick Co.	70.83							
			174.96						
Tools	J. B. Varick Co.	.....	24.03						
Water	Water commissioners	.....	30.00						
			$31,508.92	$31,509.84					
Balance	Common council	.....	.92						
			$31,509.84	$31,509.84					

APPROPRIATION FOR REPAIRS OF HIGHWAYS.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Broken stone		$2,745.98	.087
Claims		72.00	.002
Contract (paving tar concrete)		1,153.95	.0365
Freight		8.65	.0003
Fuel		5.35	.0002
Gravel		398.30	.013
Lights		16.50	.0005
Lumber		25.00	.0008
Payroll, Division 2	$9,973.91		
4	414.74		
5	281.73		
7	5,785.37		
9	862.39		
10	8,451.28		
		25,769.42	.818
Repairs		812.09	.026
Road oil		214.71	.007
Supplies		232.94	.007
Tools		24.03	.0007
Water		30.00	.001
Total expenditures		$31,508.92	1.000
Appropriation			$30,000.00
Credits			1,509.84
Balance		.92	
		$31,509.84	$31,509.84

APPROPRIATION FOR WATERING STREETS.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Care of watering trough	Alex Champagne	.....	$3.00	$2,972.81	J. F. Cavanaugh	Labor and material
Freight	Boston & Maine R. R.	.....	285.33	10,000.00	Common council	Watering streets
Gasoline	Brodie Electric & Auto Co.	$0.75				
	Standard Oil Co.	2.10				
			2.85			
Heating and mixing oil and sand	Robie Cons. Con. Co	.....	71.13			
Ice	Manchester Coal & Ice Co.	$55.00				
	Maxwell Ice Co.	55.00				
	Standard Ice Co.	55.00				
			165.00			
Labor con. heating coil to oil tank cars	Amoskeag Mfg. Co.	.....	188.60			
New equipment	Kinney Mfg. Co.	$163.20				
	N. E. Contracting Co.	600.00				
	Standard Oil Co.	18.00				
			781.20			
Payroll	Division No. 2	$5,743.40				
	4	17.49				
	7	1,243.97				
	10	1,899.28				
			8,904.14			
Repairs to equipment	Chandler Eastman	$89.65				
	The S. P. Dodge Co.	13.35				
	Drew Machinery Agency	2.50				
			105.50			
Road oil	Indian Refining Co.	$1,293.26				
	Standard Oil Co.	1,200.00				
			2,493.78			
Supplies	J. J. Moreau & Son	$2.50				
	Pike & Heald Co.	120.24				
	J. B. Varick Co.	15.14				
			137.88			
			$13,138.91	$12,972.81		
				166.10	Common council	Overdraft
			$13,138.91	$13,138.91		

WATERING STREETS.

Itemized Operations.

	Labor.	City. Teams.	Hired. Teams.	Total Cost.
Cleaning and repairing oil sprinkler and pump	$44.06	.....	.....	$44.06
Miscellaneous work	3.10	.....	.....	3.10
Oiling and spreading sand mixed with oil on streets	758.16	99.88	743.33	1,601.37
Repairing, cleaning, and painting fountains and watering troughs	110.61	.97	.....	111.58
Repairing sprinkling carts	32.23	.....	.....	32.23
Repairing standpipe	61.34	4.08	5.00	70.42
Sprinkling streets, Division No. 2	.....	429.44	3,928.58	4,358.02
Sprinkling streets, Division No. 7	2.16	.....	1,362.47	1,364.63
Sprinkling streets, Division No. 10	.....	.....	1,315.19	1,315.19
Taking down and hauling away drinking fountain front of city hall	2.76	.78	.....	3.54
	$1,014.42	$535.15	$7,354.57	$8,904.14

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 1.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	1,150	.....	.....	Elm	Salmon to Webster	Elm and West Salmon
	.....	1,250	.....	Elm, east side	Webster to Clarke	Clarke and Elm
2	.....	1,550	.....	Elm, east side	Clarke to south of Trenton	Elm, south of Trenton
3	.....	1,550	.....	Elm, west side	South of Trenton to Clarke	Clarke and Elm
4	.....	1,250	.....	Elm, west side	Clarke to Webster	
	.....	600	.....	Webster	Elm to Chestnut	Chestnut and Webster
5	.....	1,400	.....	Webster	Chestnut to Beech	Beech and Webster
6	550	.....	.....	Webster	Beech to Union	
	.....	1,200	.....	Union	Webster to Clarke	Clarke and Webster
7	.....	1,200	.....	Union	Clarke to Carpenter	Carpenter and Clarke
8	.....	1,400	.....	Carpenter	Union to Elm	
	.....	.....	350	Elm	Carpenter to south of Trenton	Elm, south of Trenton
9	200	.....	.....	Elm	South of Trenton to Trenton	
	.....	600	.....	Trenton	Elm to Chestnut	
	.....	1,700	.....	Chestnut	Trenton to Clarke	
	.....	.....	600	Clarke	Chestnut to Elm	Clarke and Elm
10	.....	800	.....	Clarke	Elm to Adams	
	200	.....	.....	Clarke	Adams to Chestnut	
	.....	1,200	.....	Chestunt	Clarke to Webster	Chestnut and Webster
11	250	.....	.....	Webster	Chestnut to North Adams	
	.....	1,550	.....	North Adams	Webster to north of Clarke	
	300	.....	.....	North Adams	North of Clarke to Clarke	
	.....	500	.....	Clarke	North Adams to Union	Clarke and Union
12	250	.....	.....	Clarke	Union to Ray	
	.....	1,200	.....	Ray	Clarke to Webster	
	250	.....	.....	Webster	Ray to Union	
	300	.....	.....	Union	Webster to Appleton	
	.....	1,400	.....	Appleton	Union to Elm	
	.....	.....	600	Appleton	Elm to Chestnut	

APPROPRIATION FOR WATERING STREETS.—ROUTE NO. 1—*Concluded.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	.....	.....	300	Chestnut	Appleton to Webster	Chestnut and Webster
13	600	.....	.....	Webster	Chestnut to Elm	
	.....	650	.....	West Webster	Elm to River road	
	.....	1,300	.....	River road	West Webster to West Clarke	
	.....	.....	500	West Clarke	River road to Elm	Clarke and Elm
14	.....	500	.....	West Clarke	Elm to River road	
	200	.....	.....	West Clarke	River road to Everett	
	.....	350	.....	Everett	West Clarke to Waldo	
	.....	200	.....	Waldo	Everett to Elm	
	.....	350	.....	Elm	Waldo to Clarke	Clarke and Elm
15	300	.....	.....	Clarke	Elm to Bay	
	.....	1,200	.....	Bay	Clarke to Carpenter	
	.....	300	.....	Carpenter	Bay to Elm	
16	.....	1,100	.....	Elm	Carpenter to south of Trenton	Elm, south of Trenton
	.....	250	.....	Rowell	Elm to River road	
	.....	.....	350	Elm	South of Trenton to Rowell	
	.....	1,400	.....	River road	Rowell to Readey	
	.....	.....	350	Readey	River road to Elm	
	.....	.....	350	Elm	Readey to south of Trenton	Elm, south of Trenton
17	350	.....	.....	Elm	South of Trenton to Readey	
	350	.....	.....	Readey	Elm to River road	
	.....	1,300	.....	River road	Readey to West Clarke	
	.....	.....	500	West Clarke	River road to Elm	Clarke and Elm
	.....	700	.....	Elm	Clarke to Monroe	
	.....	550	.....	Monroe	Elm to River road	
	550	.....	.....	Monroe	River road to Elm	
	.....	250	.....	Elm	Monroe to West Appleton	
	.....	250	.....	West Appleton	Elm, westerly	
	250	.....	.....	West Appleton	West of Elm to Elm	
	.....	250	.....	Elm	West Appleton to West Webster	
	.....	600	.....	Webster	Elm to Chestnut	
	6,050	31,850	3,900			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 2.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	950	.....	Elm, east side.....	Prospect to Blodget.....	Elm and Prospect.....
	.....	.....	.....	.....	.....	Blodget and Elm.....
2	.....	950	.....	Elm, east side.....	Blodget to Salmon.....	Elm and Salmon.....
3	.....	1,100	.....	Elm, east side.....	Salmon to Webster.....	
	.....	.....	600	Webster	Elm to Chestnut.....	Chestnut and Webster.....
4	600	.....	.....	Webster	Chestnut to Elm.....	
	.....	1,100	.....	Elm, west side.....	Webster to Salmon.....	Elm and Salmon.....
5	.....	900	.....	West Salmon.....	Elm to Amoskeag bridge.....	
	.....	900	.....	West Salmon.....	Amoskeag bridge to Elm.....	Elm and Salmon.....
6	.....	950	.....	Elm, west side.....	Salmon to Blodget.....	Blodget and Salmon.....
7	.....	950	.....	Elm, west side.....	Blodget to Prospect.....	Elm and Prospect.....
8	600	.....	.....	Prospect	Elm to Chestnut.....	
	.....	1,900	.....	Chestnut	Prospect to Salmon.....	
	.....	.....	300	Salmon	Chestnut to Pine.....	Pine and Salmon.....
9	.....	1,150	.....	Pine	Salmon to Webster.....	
	300	.....	.....	Webster	Pine to Chestnut.....	
	.....	1,150	.....	Chestnut	Webster to Salmon.....	
	.....	.....	300	Salmon	Chestnut to Pine.....	Pine and Salmon.....
10	.....	1,900	.....	Pine	Salmon to Prospect.....	
	450	.....	.....	Prospect	Pine to Union.....	
	.....	650	.....	Union	Prospect to Brook.....	
	.....	.....	100	Brook	Union to Union east back.....	
	.....	.....	150	Union east back.....	Brook to standpipe.....	Union east back, between Brook and Blodget.....
11	150	.....	.....	Union east back.....	Standpipe to Brook.....	

APPROPRIATION FOR WATERING STREETS.—ROUTE NO. 2.—*Continued.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	100	.....	.....	Brook	Union east back to Union	
	.....	2,350	.....	Union	Brook to Webster	
	.....	.....	550	Webster	Union to Beech	Beech and Webster
12	650	.....	.....	Beech	Webster to North	
	.....	1,950	.....	North	Beech to Elm	
	500	.....	.....	Elm	North to Salmon	
	.....	900	.....	Salmon	Elm to Pine	Pine and Salmon
13	.....	1,000	.....	Salmon	Pine to Beech	
	350	.....	.....	Beech	Salmon to Sagamore	
	.....	1,000	.....	Sagamore	Beech to Pine	
	.....	.....	350	Pine	Sagamore to Salmon	
14	350	.....	.....	Pine	Salmon to Sagamore	
	.....	900	.....	Sagamore	Pine to Elm	
	250	.....	.....	Elm	Sagamore to Pennacook	
	.....	1,400	.....	Pennacook	Pine to Union	
	.....	.....	200	Union	Pennacook to Blodget	
	.....	.....	100	Blodget	Union to Union east back	
	.....	.....	150	Union east back	Blodget to standpipe	Union east back, between Blodget and Brook
15	150	.....	.....	Union east back	Standpipe to Brook	
	350	.....	.....	Brook	Union east back to Beech	
	300	.....	.....	Beech	Brook to Blodget	
	.....	1,950	.....	Blodget	Beech to Elm	Blodget and Elm
16	250	.....	.....	Elm	Blodget to Brook	
	.....	1,950	.....	Brook	Elm to Beech	
	250	.....	.....	Brook	Beech to Walnut	
	.....	650	.....	Walnut	Brook to Prospect	
	.....	.....	250	Walnut	Prospect to Harrison	Harrison and Walnut
17	250	.....	.....	Harrison	Walnut to Beech	
	.....	1,950	.....	Harrison	Beech to Elm	
	.....	.....	250	Elm	Harrison to Prospect	Elm and Prospect

18	.....	1,900	.....	Elm, east side.....	Prospect to Salmon.....	Elm and Salmon.....
19	.....	1,100	.....	Elm, east side.....	Salmon to Webster.....	
	.....	1,100	.....	Elm, west side.....	Webster to Salmon.....	Elm and Salmon.....
20	.....	1,900	.....	Elm, west side.....	Salmon to Prospect.....	
	6,050	36,550	3,300			

DIVISION NO. 2—ROUTE NO. 2. P. M.

1	.....	1,900	.....	Elm, east side.....	Prospect to Salmon.....	Elm and Prospect.....
	.....	.....	.....	.....	.....	Elm and Salmon.....
2	.....	1,100	.....	Elm, east side.....	Salmon to Webster.....	
	.....	1,100	.....	Elm, west side.....	Webster to Salmon.....	Elm and Salmon.....
3	.....	1,900	.....	Elm, west side.....	Salmon to Prospect.....	Elm and Prospect.....
4	600	.....	.....	Prospect	Elm to Chestnut.....	
	.....	1,900	.....	Chestnut	Prospect to Salmon.....	
	.....	.....	300	Salmon	Chestnut to Pine.....	Pine and Salmon.....
5	.....	1,150	.....	Pine	Salmon to Webster.....	
	300	.....	.....	Webster	Pine to Chestnut.....	
	.....	1,150	.....	Chestnut	Webster to Salmon.....	
	.....	.....	300	Salmon	Chestnut to Pine.....	Pine and Salmon.....
6	500	.....	.....	Pine	Salmon to North.....	
	200	.....	.....	North	Pine to Liberty.....	
	.....	600	.....	Liberty	North to Webster.....	
	900	.....	.....	Webster	Liberty to Bay.....	
	.....	1,550	.....	Bay	Webster to Sagamore.....	
	.....	.....	400	Bay	Sagamore to Salmon.....	
	.....	.....	600	Salmon	Bay to Pine.....	Pine and Salmon.....
7	.....	1,900	.....	Pine	Salmon to Prospect.....	
	450	.....	.....	Prospect	Pine to Union.....	
	.....	400	.....	Union	Prospect to Brook.....	
	.....	.....	100	Brook	Union to Union east back.....	
	.....	.....	150	Union east back.....	Brook to standpipe.....	Union east back between Brook and Blodget.....
8	150	.....	.....	Union east back.....	Standpipe to Brook.....	
	100	.....	.....	Brook	Union east back to Union.....	
	.....	2,350	.....	Union	Brook to Webster.....	
	.....	.....	500	Webster	Union to Beech.....	Beech and Webster.....
9	250	.....	.....	Webster	Beech to Walnut.....	
	.....	2,050	.....	Walnut	Webster to Blodget.....	
	.....	.....	100	Blodget	Walnut to Union east back.....	
	.....	.....	150	Union east back.....	Blodget to standpipe.....	Union east back between Blodget and Brook.....
10	150	.....	.....	Union east back.....	Standpipe to Blodget.....	
	100	.....	.....	Blodget	Union east back to Walnut.....	
	.....	1,000	.....	Walnut	Blodget to Prospect.....	
	.....	.....	250	Walnut	Prospect to Harrison.....	Harrison and Walnut.....
11	250	.....	.....	Harrison	Walnut to Beech.....	
	.....	1,950	.....	Harrison	Beech to Elm.....	
	3,950	22,000	2,850			

APPROPRIATION FOR WATERING STREETS.

Route No. 3.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,900	.....	Beech	Grove to Central	Grove, west of Beech
	.....	.....	1,350	Beech	Central to Amherst	
	.....	.....	500	Amherst	Beech to Union	Amherst, east of Union
2	500	.....	.....	Amherst	Union to Beech	
	.....	1,350	.....	Amherst	Beech to Chestnut	
	.....	.....	300	Amherst	Chestnut to Vine	Amherst and Vine
3	300	.....	.....	Amherst	Vine to Chestnut	
	.....	2,300	.....	Chestnut	Amherst to Prospect	
	.....	.....	600	Prospect	Chestnut to Elm	Elm and Prospect
4	.....	1,200	.....	Elm, east side	Prospect to Bridge	
	.....	1,200	.....	Elm, west side	Bridge to Prospect	Elm and Prospect
5	.....	1,200	.....	Elm, center	Prospect to Bridge	
	.....	1,200	.....	Elm, center	Bridge to Prospect	Elm and Prospect
6	950	.....	.....	Prospect	Elm to Pine	
	.....	2,350	.....	Pine	Prospect to Amherst	
	.....	.....	500	Amherst	Pine to Union	Amherst, east of Union
7	.....	1,900	.....	Union	Amherst to Orange	Orange and Union
8	.....	500	.....	Union	Orange to Prospect	
	.....	300	.....	Prospect	Union to Walnut	
	.....	300	.....	Walnut	Prospect to Harrison	Harrison and Walnut
9	300	.....	.....	Walnut	Harrison to Prospect	
	.....	2,400	.....	Walnut	Prospect to Amherst	
	.....	.....	300	Amherst	Walnut to Union	Amherst, east of Union
10	500	.....	.....	Amherst	Union to Beech	
	350	.....	.....	Beech	Amherst to Concord	
	.....	1,350	.....	Concord	Beech to Chestnut	
	300	.....	.....	Chestnut	Concord to Lowell	
	.....	1,350	.....	Lowell	Chestnut to Beech	
	.....	.....	550	Lowell	Beech to Union	

P. M.

	.....	.....	300	Union	Lowell to High	High and Union
11	.....	850	.....	High	Union to Chestnut	
	250	.....	.....	Chestnut	High to Bridge	
	.....	1,350	.....	Bridge, south side	Chestnut to Beech	
	.....	500	.....	Bridge, north side	Beech to Union	
	.....	.....	250	Union	Bridge to High	High and Union
12	250	.....	.....	Union	High to Bridge	
	.....	850	.....	Bridge, north side	Union to Chestnut	
	.....	.....	300	Bridge	Chestnut to Birch	
	.....	.....	200	Birch	Bridge to Washington	Birch and Washington
13	300	.....	.....	Washington	Birch to Elm	
	550	.....	.....	Elm	Washington to Pearl	
	.....	1,450	.....	Pearl	Elm to Union	
	.....	.....	300	Union	Pearl to Orange	
14	300	.....	.....	Union	Orange to Pearl	
	.....	550	.....	Pearl	Union to Beech	
	300	.....	.....	Beech	Pearl to Orange	
	.....	550	.....	Orange	Beech to Union	Orange and Union
15	.....	1,350	.....	Orange	Union to Elm	
	250	.....	.....	Elm	Orange to Myrtle	
	.....	1,200	.....	Myrtle	Elm, to half way Pine to Union	
	.....	.....	250	Myrtle	Half way Pine to Union to Union	
	.....	.....	200	Union	Myrtle to Orange	Orange and Union
16	200	.....	.....	Union	Orange to Myrtle	
	250	.....	.....	Myrtle	Union to half way Union to Pine	
	.....	800	.....	Myrtle	Half way Union to Pine to Beech	
	250	.....	.....	Beech	Myrtle to Prospect	
	.....	250	.....	Prospect	Beech to Walnut	
	.....	.....	250	Walnut	Prospect to Harrison	Harrison and Walnut
17	250	.....	.....	Walnut	Harrison to Prospect	
	.....	1,700	.....	Prospect	Walnut to Elm	Elm and Prospect
18	.....	1,200	.....	Elm, east side	Prospect to Bridge	
	.....	1,200	.....	Elm, west side	Bridge to Prospect	
	6,350	34,600	6,150			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 4.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	550	.....	.....	Orange	Union to Beech	Orange and Union
	.....	200	.....	Beech	Orange to Sagamore	
	.....	.....	1,550	Beech	Sagamore to Webster	
2	.....	1,550	.....	Beech	Webster to Sagamore	Beech and Webster
	.....	.....	250	Sagamore	Beech to Ash	
	.....	.....	250	Ash	Sagamore to standpipe	Ash, between Sagamore and Blodget
3	.....	2,400	.....	Ash	Standpipe to Bridge	
	.....	.....	250	Bridge	Ash to Maple	
	.....	.....	400	Maple	Bridge to East High	
	.....	.....	150	East High	Maple to Nashua	
4	150	.....	.....	East High	Nashua to Maple	East High and Nashua
	400	.....	.....	Maple	East High to Bridge	
	.....	300	.....	Maple	Bridge to Pearl	
	.....	1,400	.....	Pearl	Maple to Ashland	
5	.....	950	.....	Pearl	Ashland to Belmont	Ashland and Pearl
	.....	700	.....	Belmont	Pearl to Bridge	
	.....	200	.....	Belmont	Bridge to Old Bridge	
	.....	400	.....	Old Bridge	Belmont to Hall	
6	.....	1,200	.....	Hall	Bridge to Myrtle	Bridge and Hall
	.....	750	.....	Myrtle	Hall to Linden	
7	.....	250	.....	Linden	Myrtle to Orange	Linden and Myrtle
	.....	750	.....	Orange	Linden to Belmont	
	.....	250	.....	Belmont	Orange to Myrtle	
	.....	300	.....	Myrtle	Belmont to Hall	
	.....	250	.....	Hall	Myrtle to Prospect	

	.....	750	.....	Prospect	Hall to Linden	
	.....	250	.....	Linden	Prospect to Myrtle	Linden and Myrtle
8	.....	1,100	.....	Linden	Myrtle to Bridge	
	200	.....	.....	Bridge	Linden to Ashland	
	.....	550	.....	Ashland	Bridge to Pearl	Ashland and Pearl
9	.....	350	.....	Pearl	Ashland to Morrison	
	.....	350	.....	Morrison	Pearl to Arlington	
	.....	1,700	.....	Arlington	Morrison to Maple	
	.....	.....	550	Maple	Arlington to East High	
	.....	.....	150	East High	Maple to Nashua	East High and Nashua
10	400	.....	.....	Nashua	East High to Bridge	
	250	.....	.....	Bridge	Nashua to Russell	
	.....	1,050	.....	Russell	Bridge to Myrtle	
	.....	1,050	.....	Myrtle	Russell to Ash	
	250	.....	.....	Ash	Myrtle to Prospect	
	.....	600	.....	Prospect	Ash to Oak	Prospect and Oak
11	.....	400	.....	Prospect	Oak to Russell	
	.....	250	.....	Russell	Prospect to Harrison	
	.....	400	.....	Harrison	Russell to Linden	
	.....	500	.....	Linden	Harrison to Myrtle	Linden and Myrtle
12	250	.....	.....	Linden	Myrtle to Orange	
	.....	1,200	.....	Orange	Linden to Oak	
	.....	250	.....	Oak	Myrtle to Prospect	Oak and Prospect
13	.....	250	.....	Oak	Prospect to Harrison	
	.....	400	.....	Harrison	Oak to Russell	
	.....	750	.....	Russell	Harrison to Blodget	
	450	.....	.....	Blodget	Russell to Oak	
	.....	300	.....	Oak	Blodget to Brook	
	.....	850	.....	Brook	Oak to Beech	
	.....	.....	300	Beech	Brook to Blodget	
	.....	.....	250	Blodget	Beech to Ash	
	.....	.....	200	Ash	Blodget to standpipe	Ash, between Blodget and Sagamore
14	.....	200	.....	Ash	Standpipe to Blodget	
	.....	250	.....	Blodget	Ash to Maple	
	.....	1,850	.....	Maple	Blodget to Pearl	
	.....	550	.....	Pearl	Maple to Beech	
	2,900	29,800	4,300			

APPROPRIATION FOR WATERING STREETS.

Route No. 4. P. M.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	125	.....	.....	Beech	Standpipe to Pearl	Beech, between Pearl and Orange
	.....	1,900	.....	Pearl	Beech to Ashland	Ashland and Pearl
2	.....	950	.....	Pearl	Ashland to Belmont	
	300	.....	.....	Pearl	Belmont to Hall	
	.....	250	.....	Hall	Pearl to Orange	
	.....	750	.....	Orange	Hall to Linden	
	.....	.....	250	Linden	Orange to Myrtle	Linden and Myrtle
3	250	.....	.....	Linden	Myrtle to Orange	
	.....	1,700	.....	Orange	Linden to Beech	
	250	.....	.....	Beech	Orange to Myrtle	
	.....	850	.....	Myrtle	Beech to Oak	
	.....	.....	250	Oak	Myrtle to Prospect	Oak and Prospect
4	250	.....	.....	Oak	Prospect to Myrtle	
	.....	1,600	.....	Myrtle	Oak to Hall	
	250	.....	.....	Hall	Myrtle to Prospect	
	.....	700	.....	Prospect	Hall to Linden	
	.....	.....	250	Linden	Prospect to Myrtle	Linden and Myrtle
5	250	.....	.....	Linden	Myrtle to Prospect	
	.....	850	.....	Prospect	Linden to Oak	Oak and Prospect
6	.....	850	.....	Prospect	Oak to Beech	
	250	.....	.....	Beech	Prospect to Harrison	
	.....	1,300	.....	Harrison	Beech to Russell	
	.....	.....	450	Harrison	Russell to Oak	
	.....	.....	250	Oak	Harrison to Prospect	Oak and Prospect
7	250	.....	.....	Oak	Prospect to Harrison	
	300	.....	.....	Harrison	Oak to Maple	
	400	.....	.....	Maple	Harrison to Brook	

	.....	500	.....	Brook	Maple to Beech	
	.....	750	.....	Beech	Brook to Sagamore	
	.....	1,250	.....	Sagamore	Beech to Russell	
	.....	.....	1,000	Sagamore	Russell to Ash	
	.....	.....	250	Ash	Sagamore to standpipe	Ash, between Sagamore and Blodget
8	250	.....	.....	Ash	Standpipe to Sagamore	
	.....	2,600	.....	Ash	Sagamore to Bridge	
	.....	.....	250	Bridge	Beech to Walnut	Bridge and Walnut
9	750	.....	.....	Bridge	Walnut to Maple	
	.....	1,450	.....	Maple	Bridge to Harrison	
	3,875	18,250	2,950			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 5.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,500	.....	Bridge	Hall to Nashua	Bridge and Hall
	.....	.....	400	Nashua	Bridge to East High	East High and Nashua
2	400	.....	.....	Nashua	East High to Bridge	
	.....	1,000	.....	Bridge	Nashua to Beech	
	.....	.....	500	Bridge	Beech to Maple	
	.....	.....	400	Maple	Bridge to East High	
	.....	.....	150	East High	Maple to Nashua	East High and Nashua
3	150	.....	.....	East High	Nashua to Maple	
	400	.....	.....	Maple	East High to Bridge	
	500	500	.....	Bridge	Maple to Beech	
	.....	1,650	.....	Beech	Bridge to Hanover	
	.....	.....	300	Beech	Hanover to Amherst	
	.....	.....	450	Amherst	Beech to Union	Amherst and Union
4	450	.....	.....	Amherst	Union to Beech	
	.....	250	.....	Amherst	Beech to Ash	
	.....	1,350	.....	Ash	Amherst to Bridge	
	.....	.....	250	Bridge	Ash to Maple	
	.....	.....	400	Maple	Bridge to East High	
	.....	.....	150	East High	Maple to Nashua	East High and Nashua
5	400	.....	.....	Nashua	East High to Bridge	
	.....	1,200	.....	Nashua	Bridge to Concord	
	.....	.....	800	Nashua	Concord to East High	East High and Nashua
6	150	.....	.....	East High	Nashua to Maple	
	400	.....	.....	Maple	East High to Bridge	
	.....	1,750	.....	Maple	Bridge to Hanover	
	.....	.....	1,100	Hanover	Maple to Ashland	Ashland and Hanover

7	300	.....	.....	Ashland	Hanover to Amherst	
	.....	1,750	.....	Amherst	Ashland to Beech	
	.....	.....	450	Amherst	Beech to Union	Amherst and Union
8	450	.....	.....	Amherst	Union to Beech	
	300	.....	.....	Beech	Amherst to Concord	
	.....	1,750	.....	Concord	Beech to Ashland	
	.....	.....	650	Ashland	Concord to Hanover	Ashland and Hanover
9	.....	1,650	.....	Ashland	Hanover to Bridge	
	.....	.....	550	Bridge	Ashland to Hall	Bridge and Hall
10	300	.....	.....	Hall	Bridge to East High	
	.....	1,900	.....	East High	Hall to Maple	
	.....	.....	150	East High	Maple to Nashua	East High and Nashua
11	300	.....	.....	Nashua	East High to Jane	
	.....	700	.....	Jane	Nashua to Lowell	
	.....	400	.....	Lowell	Jane to South	
	.....	350	.....	South	Lowell to East High	
	.....	.....	350	East High	South to Nashua	East High and Nashua
12	400	.....	.....	Nashua	East High to Bridge	
	200	.....	.....	Bridge	Nashua to Malvern	
	.....	1,050	.....	Malvern	Bridge to Concord	
	200	.....	.....	Concord	Malvern to Derry	
	.....	450	.....	Derry	Concord to Amherst	
	200	.....	.....	Amherst	Derry to Dutton	
	.....	450	.....	Dutton	Amherst to Concord	
	200	.....	.....	Dutton	Concord to Chester	
	200	.....	.....	Chester	Dutton to Amherst	
	.....	300	.....	Lincoln	Amherst to Hanover	
	.....	.....	500	Hanover	Lincoln to Ashland	Ashland and Hanover
13	550	.....	.....	Hanover	Ashland to Hall	
	.....	1,650	.....	Hall	Hanover to Bridge	Bridge and Hall
14	.....	300	.....	Bridge	Hall to Belmont	
	.....	1,650	.....	Belmont	Bridge to Hanover	
	.....	.....	450	Hanover	Belmont to Beacon	Beacon and Hanover
15	.....	800	.....	Hanover	Beacon to east of Alfred	
	.....	800	.....	Hanover	East of Alfred to Beacon	Beacon and Hanover
16	.....	300	.....	Beacon	Hanover to Amherst	
	.....	1,400	.....	Amherst	Beacon to Ashland	
	.....	.....	300	Ashland	Amherst to Hanover	Ashland and Hanover
17	900	.....	.....	Hanover	Ashland to Belmont	
	900	.....	.....	Belmont	Hanover to Lowell	
	.....	2,700	.....	Lowell	Belmont to Beech	
	8,250	26,050	8,300			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 6.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,000	.....	Hall	Central to Hanover	Central and Hall
	.....	800	.....	Hanover	Hall to Beacon	Beacon and Hanover
2	800	.....	.....	Hanover	Beacon to Hall	
	.....	600	.....	Hanover	Hall to Ashland	Ashland and Hanover
3	.....	1,800	.....	Hanover	Ashland to Beech	
	.....	600	.....	Beech	Hanover to Merrimack	
	.....	.....	500	Merrimack	Beech to Union	Merrimack and Union
4	300	.....	.....	Union	Merrimack to Manchester	
	500	.....	.....	Manchester	Union to Beech	
	.....	2,400	.....	Manchester	Beech to Hall	
	.....	.....	800	Hall	Manchester to Central	Central and Hall
5	500	.....	.....	Hall	Central to Merrimack	
6	.....	1,150	.....	Merrimack	Hall to Lincoln	Lincoln and Merrimack
	.....	1,800	.....	Merrimack	Lincoln to Union	Merrimack and Union
7	500	.....	.....	Merrimack	Union to Beech	
	200	.....	.....	Beech	Merrimack to Laurel	
	.....	2,400	.....	Laurel	Beech to Hall	
	.....	.....	250	Hall	Laurel to Central	Central and Hall
8	.....	1,450	.....	Central	Hall to standpipe	Central, between Lincoln and Maple
9	.....	950	.....	Central	Standpipe to Beech	
	.....	500	.....	Beech	Central to Merrimack	
	.....	.....	500	Merrimack	Beech to Union	Merrimack and Union
10	500	.....	.....	Merrimack	Union to Beech	
	750	.....	.....	Beech	Merrimack to Lake avenue	
	.....	2,400	.....	Lake avenue	Beech to Hall	

	.....	.....	200	Hall	Lake avenue to Central	Central and Hall
11	.....	200	.....	Hall	Central to Lake avenue	
	500	.....	.....	Lake avenue	Hall to Wilson	
	250	.....	.....	Wilson	Lake avenue to Spruce	
	.....	1,550	.....	Wilson	Spruce to Hanover	
	.....	.....	550	Wilson	Hanover to Merrimack	
	.....	.....	600	Merrimack	Wilson to Lincoln	Lincoln and Merrimack
12	.....	550	.....	Lincoln	Merrimack to Hanover	
	550	.....	.....	Lincoln	Hanover to Merrimack	
	.....	1,600	.....	Lincoln	Merrimack to Auburn	Auburn and Lincoln
13	550	.....	.....	Auburn	Lincoln to Maple	
	.....	2,100	.....	Maple	Auburn to Hanover	
	.....	.....	1,000	Maple	Hanover to Central	
	.....	.....	250	Central	Maple to standpipe	Central, between Lincoln and Maple
14	250	.....	.....	Central	Standpipe to Maple	
	500	.....	.....	Maple	Central to Spruce	
	600	.....	.....	Spruce	Maple to Beech	
	.....	1,850	.....	Spruce	Beech to Wilson	
	500	.....	.....	Wilson	Spruce to Auburn	
	.....	600	.....	Auburn	Wilson to Lincoln	Auburn and Lincoln
15	250	.....	.....	Lincoln	Auburn to Cedar	
	.....	1,200	.....	Cedar	Lincoln to Beech	
	250	.....	.....	Beech	Cedar to Auburn	
	.....	1,200	.....	Auburn	Beech to Lincoln	Auburn and Lincoln
16	500	.....	.....	Lincoln	Auburn to Spruce	
	.....	1,400	.....	Spruce	Lincoln to Massabesic	
	8,[illegible]50	30,100	4,650			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 7.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,600	.....	Pine	Bell to East Spruce	Bell and Pine
	.....	.....	450	Spruce	Pine to Union	Spruce and Union
2	500	.....	.....	Spruce	Union to Beech	
	500	.....	.....	Beech	Spruce to Central	
	.....	1,000	.....	Central	Beech to Pine	
	.....	1,400	.....	Pine	Central to Amherst	
	.....	.....	650	Amherst	Pine to Vine	Amherst and Vine
3	300	.....	.....	Amherst	Vine to Chestnut	
	.....	1,100	.....	Chestnut	Amherst to Laurel	
	800	.....	.....	Chestnut	Laurel to Hanover	
	.....	1,400	.....	Hanover	Chestnut to Beech	
	.....	.....	500	Hanover	Beech to Union	
	.....	.....	300	Union	Hanover to Amherst	Amherst and Union
4	.....	1,900	.....	Union	Amherst to East Spruce	Spruce and Union
5	450	.....	.....	Spruce	Union to Pine	
	.....	500	.....	Pine	Spruce to Central	
	.....	300	.....	Central	Pine to Chestnut	
	.....	300	.....	Central	Chestnut to Pine	
	.....	500	.....	Pine	Central to Spruce	
	.....	.....	450	Spruce	Pine to Union	Spruce and Union
6	500	.....	.....	Union	Spruce to Auburn	
	.....	800	.....	Auburn	Union to Chestnut	
	.....	500	.....	Chestnut	Auburn to Spruce	
	.....	250	.....	Chestnut	Spruce to Lake avenue	Chestnut and Lake avenue
7	500	.....	.....	Chestnut	Lake avenue to Cedar	
	.....	1,350	.....	Cedar	Chestnut to Beech	

	.....	.....	600	Cedar	Beech to Maple	Auburn and Maple
	.....	.....	250	Maple	Cedar to Auburn	
8	600	.....	.....	Auburn	Maple to Beech	
	.....	500	.....	Auburn	Beech to Union	
	.....	500	.....	Union	Auburn to Spruce	Spruce and Union
9	.....	450	.....	Spruce	Union to Pine	
	.....	1,000	.....	Spruce	Pine to Beech	
	.....	500	.....	Spruce	Beech to Union	Spruce and Union
10	250	.....	.....	Union	Spruce to Lake avenue	
	.....	450	.....	Lake avenue	Union to Pine	
	.....	1,000	.....	Lake avenue	Pine to Beech	
	.....	500	.....	Lake avenue	Beech to Union	
	.....	.....	800	Lake avenue	Union to Chestnut	Chestnut and Lake avenue
11	.....	500	.....	Chestnut	Lake avenue to Laurel	
	.....	1,350	.....	Laurel	Chestnut to Beech	
	.....	.....	200	Beech	Laurel to Merrimack	
	.....	.....	500	Merrimack	Beech to Union	Merrimack and Union
12	250	.....	.....	Union	Merrimack to Manchester	
	800	.....	.....	Manchester	Union to Beech	
	.....	1,350	.....	Manchester	Beech to Chestnut	
	.....	800	.....	Manchester	Chestnut to Union	
	.....	.....	250	Union	Manchester to Merrimack	Merrimack and Union
13	.....	800	.....	Merrimack	Union to Chestnut	
	800	.....	.....	Merrimack	Chestnut to Union	
	.....	500	.....	Merrimack	Union to Beech	
	.....	.....	500	Merrimack	Beech to Union	Merrimack and Union
14	700	.....	.....	Union	Merrimack to Lake avenue	
	.....	450	.....	Lake avenue	Union to Beech	
	.....	450	.....	Lake avenue	Beech to Union	
	250	.....	.....	Union	Lake avenue to Spruce	
	.....	500	.....	Spruce	Union to Beech	
	.....	500	.....	Spruce	Beech to Union	Spruce and Union
15	500	.....	.....	Union	Spruce to Auburn	
	.....	500	.....	Union	Auburn to Green	
	.....	500	.....	Green	Union to Beech	
	.....	.....	250	Beech	Green to Grove	Beech and Grove
16	500	.....	.....	Grove	Beech to Union	
	.....	250	.....	Union	Grove to Green	
	.....	450	.....	Green	Union to Pine	
	250	.....	.....	Pine	Green to Grove	
	.....	450	.....	Grove	Pine to Union	
	.....	.....	500	Grove	Union to Beech	Beech and Grove
17	.....	500	.....	Grove	Beech to Union	
	.....	500	.....	Union	Grove to Valley	
	8,450	28,150	6,200			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 8.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,400	.....	Elm, west side	Auburn to Pleasant	Auburn and Elm
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
2	150	.....	.....	Pleasant	Standpipe to Elm	
	.....	1,100	.....	Elm, west side	Pleasant to Amherst	
	.....	.....	300	Amherst	Elm to Vine	Amherst and Vine
3	300	.....	.....	Amherst	Vine to Elm	
	.....	1,100	.....	Elm, west side	Amherst to Bridge	
	.....	.....	300	Bridge	Elm to Birch	
	.....	.....	200	Birch	Bridge to Washington	Birch and Washington
4	200	.....	.....	Birch	Washington to Bridge	
	300	.....	.....	Bridge	Birch to Elm	
	.....	1,100	.....	Elm, east side	Bridge to Amherst	
	.....	.....	300	Amherst	Elm to Vine	Amherst and Vine
5	300	.....	.....	Amherst	Vine to Elm	
	.....	1,100	.....	Elm, east side	Amherst to Pleasant	
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
6	150	.....	.....	Pleasant	Standpipe to Elm	
	.....	1,400	.....	Elm, east side	Pleasant to Auburn	Auburn and Elm
7	.....	1,400	.....	Elm, center	Auburn to Pleasant	
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
8	150	.....	.....	Pleasant	Standpipe to Elm	
	.....	1,100	.....	Elm, center	Pleasant to Amherst	
	.....	.....	300	Amherst	Elm to Vine	Amherst and Vine
9	300	.....	.....	Amherst	Vine to Elm	
	.....	1,100	.....	Elm, center	Amherst to Bridge	
	.....	.....	300	Bridge	Elm to Birch	

	.....	.....	200	Birch	Bridge to Washington	Birch and Washington
10	200	.....	.....	Birch	Washington to Bridge	
	200	.....	.....	Bridge	Birch to Chestnut	
	.....	1,300	.....	Bridge	Chestnut to Canal	
	.....	.....	1,050	Bridge	Canal to Birch	
	.....	.....	200	Birch	Bridge to Washington	Birch and Washington
11	200	.....	.....	Birch	Washington to Bridge	
	.....	450	.....	Birch	Bridge to Lowell	
	.....	.....	250	Birch	Lowell to Washington	Birch and Washington
12	.....	300	.....	Washington	Birch to Elm	
	200	.....	.....	Elm	Washington to Lowell	
	.....	550	.....	Lowell	Elm to Chestnut	
	300	.....	.....	Chestnut	Lowell to Concord	
	.....	550	.....	Concord	Chestnut to Elm	
	250	.....	.....	Concord	Elm to Vine	
	.....	300	.....	Vine	Concord to Amherst	Amherst and Vine
13	300	.....	.....	Amherst	Vine to Elm	
	.....	550	.....	Amherst	Elm to Chestnut	
	300	.....	.....	Chestnut	Amherst to Hanover	
	.....	550	.....	Hanover	Chestnut to Elm	
	.....	.....	300	Elm	Hanover to Amherst	
	.....	.....	300	Amherst	Elm to Vine	Amherst and Vine
14	300	.....	.....	Amherst	Vine to Elm	
	350	.....	.....	Elm	Amherst to Market	
	.....	250	.....	Market	Elm to Franklin	
	.....	700	.....	Franklin	Market to Pleasant	Pleasant, east of Franklin
15	150	.....	.....	Pleasant	Standpipe to Elm	
	500	.....	.....	Elm	Pleasant to Manchester	
	.....	550	.....	Manchester	Elm to Chestnut	
	250	.....	.....	Chestnut	Manchester to Merrimack	
	.....	750	.....	Merrimack	Chestnut to Franklin	
	.....	.....	200	Franklin	West Merrimack to Pleasant	Pleasant, east of Franklin
16	150	.....	.....	Pleasant	Standpipe to Elm	
	250	.....	.....	Elm	Pleasant to Central	
	.....	550	.....	Central	Elm to Chestnut	
	250	.....	.....	Chestnut	Central to Lake avenue	
	.....	550	.....	Lake avenue	Chestnut to Elm	
	.....	.....	500	Elm	Lake avenue to Pleasant	
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
17	150	.....	.....	Pleasant	Standpipe to Elm	
	250	.....	.....	Elm	Pleasant to West Central	
	.....	800	.....	West Central	Elm to Canal	
	.....	500	.....	Canal	West Central to Granite	Canal and Granite
18	.....	700	.....	Granite	Canal to Elm	
	.....	.....	550	Elm	Granite to Auburn	Auburn and Elm
19	.....	550	.....	Auburn	Elm to Chestnut	
	500	.....	.....	Chestnut	Auburn to Spruce	

APPROPRIATION FOR WATERING STREETS.—ROUTE No. 8.—*Concluded.*

Load.	Distance to Begin.	Distance Sprinkled	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	.....	550	.....	Spruce	Chestnut to Elm	
	.....	.....	500	Elm	Spruce to Auburn	Auburn and Elm
20	550	.....	.....	Auburn	Elm to Chestnut	
	250	.....	.....	Chestnut	Auburn to Cedar	
	.....	550	.....	Cedar	Chestnut to Elm	
	.....	.....	300	Elm	Cedar to Granite	
	.....	.....	700	Granite	Elm to Canal	Canal and Granite
21	.....	1,450	.....	Granite	Canal to Turner	
	.....	.....	2,150	Granite	Turner to Elm	
	.....	.....	550	Elm	Granite to Auburn	Auburn and Elm
22	.....	1,400	.....	Elm, west side	Auburn to Pleasant	
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
23	150	.....	.....	Pleasant	Standpipe to Elm	
	.....	1,100	.....	Elm, west side	Pleasant to Amherst	
	.....	.....	300	Amherst	Elm to Vine	Amherst and Vine
24	300	.....	.....	Amherst	Vine to Elm	
	.....	1,100	.....	Elm, west side	Amherst to Bridge	
	.....	.....	300	Bridge	Elm to Birch	
	.....	.....	200	Birch	Bridge to Washington	Birch and Washington
25	200	.....	.....	Birch	Washington to Bridge	
	300	.....	.....	Bridge	Birch to Elm	
	.....	1,100	.....	Elm, east side	Amherst to Pleasant	
	.....	.....	150	Pleasant	Elm to standpipe	Pleasant, east of Franklin
27	150	.....	.....	Pleasant	Standpipe to Elm	
	.....	1,400	.....	Elm, east side	Pleasant to Auburn	
	9,100	31,000	11,650			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 2—Route No. 9.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	300	.....	Valley	Willow to Elm	Valley and Willow
	.....	1,300	.....	Elm	Valley to Auburn	Auburn and Elm
2	.....	2,300	.....	Elm	Auburn to railroad bridge	
	.....	.....	1,100	Elm	Railroad bridge to Brown avenue	Brown avenue and Elm
3	.....	1,100	.....	Elm	Brown avenue to railroad bridge	
	.....	.....	1,100	Elm	Railroad bridge to Brown avenue	Brown avenue and Elm
4	.....	2,600	.....	Brown avenue	Elm to tannery gate	
	.....	.....	800	Brown avenue	Tannery gate to Baker	
	.....	.....	1,000	Baker	Brown avenue to Elm	Baker and Elm
5	.....	1,150	.....	Elm	Baker to Brown avenue	
	.....	1,150	.....	Elm	Brown avenue to Baker	Baker and Elm
6	.....	400	.....	Baker	Elm to Calef road	
	.....	1,300	.....	Calef road	Baker to north of Elm avenue	
	.....	.....	400	Calef road	North of Elm avenue to Elm avenue	
	.....	.....	350	Elm avenue	Calef road to Elm	
	.....	.....	250	Elm	Elm avenue to Brown avenue	Brown avenue and Elm
7	.....	250	.....	Elm	Brown avenue to Elm avenue	
	.....	350	.....	Elm avenue	Elm to Calef road	
	.....	200	.....	Calef road	Elm avenue to Welch avenue	
	.....	350	.....	Welch avenue	Calef road to Elm	
	.....	.....	450	Elm	Welch avenue to Brown avenue	Brown avenue and Elm
8	450	.....	.....	Elm	Brown avenue to Cheney place	
	.....	400	.....	Cheney place	Elm to Brown avenue	
	.....	1,200	.....	Hancock	Brown avenue to brewery	
	.....	.....	1,200	Hancock	Brewery to Brown avenue	
	.....	.....	600	Brown avenue	Hancock to Elm	Brown avenue and Elm

APPROPRIATION FOR WATERING STREETS.—ROUTE No. 9.—*Concluded.*

Load.	Distance to Begin.	Distance Sprinkled	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
9	.....	1,950	.....	Elm	Brown avenue to Valley	
	.....	.....	250	Valley	Elm to Willow	Valley and Willow
10	.....	300	.....	Valley	Willow to Elm	
	.....	1,300	.....	Elm	Valley to Auburn	Auburn and Elm
11	.....	2,300	.....	Elm	Auburn to railroad bridge	
	.....	.....	800	Elm	Railroad bridge to Valley	
	.....	.....	300	Valley	Elm to Willow	Valley and Willow
12	.....	650	.....	Valley	Willow to Pine	
	.....	250	.....	Pine	Valley to Bell	Bell and Pine
13	.....	800	.....	Pine	Bell to Hayward	
	.....	500	.....	Pine	Hayward to Valley	
	.....	650	.....	Valley	Pine to Willow	Valley and Willow
14	.....	300	.....	Willow	Valley to Merrill	
	.....	250	.....	Merrill	Willow to Elm	
	250	.....	.....	Merrill	Elm to Willow	
	.....	1,200	.....	Willow	Merrill to Silver	
	700	24,800	8,600			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 10—Route No. 10.

Load.	Distance to Begin	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,550	.....	South Main	A to Log	A and South Main
	.....	.....	.....			Log and South Main
2	.....	550	.....	South Main	Log to M. & N. W. R. R.	
	.....	200	.....	South Main	M. & N. W. R. R. to Winter	
	.....	1,350	.....	Winter	South Main to Granite	
	.....	200	.....	Granite	Winter to M. & N. W. R. R.	
	.....	200	.....	Granite	M. & N. W. R. R. to Winter	
	.....	500	.....	Winter	Granite to Parker	Granite and Parker
3	750	.....	.....	Winter	Parker to South Main	
	.....	1,100	.....	Blaine	South Main to Second	
	.....	150	.....	Second	Blaine to M. & N. W. R. R.	
	.....	1,550	.....	Second	M. & N. W. R. R. to Frederick	
	.....	.....	350	Second	Frederick to West Hancock	West Hancock and Second
4	.....	600	.....	West Hancock	Second to Dartmouth	
	.....	150	.....	Dartmouth	West Hancock to Goffe	
	.....	450	.....	Goffe	Dartmouth to South Main	
	.....	350	.....	South Main	Goffe to West Hancock	
	.....	500	.....	West Hancock	South Main to Dartmouth	
	500	.....	.....	West Hancock	Dartmouth to South Main	
	.....	300	.....	South Main	West Hancock to Milford	
	.....	450	.....	Milford	South Main to Bowman	Bowman and Milford
5	.....	800	.....	Bowman	Milford to Mast	
	.....	700	.....	Mast	Bowman to South Main	Log and South Main
6	1,350	.....	.....	Mast	South Main to Riddle	
	.....	850	.....	Riddle	Mast to Milford	
	.....	500	.....	Milford	Riddle to Bowman	Bowman and Milford

APPROPRIATION FOR WATERING STREETS.—ROUTE No. 10.—*Concluded.*

Load	Distance to Begin	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
7	.....	2,300	.....	Milford	Bowman to Sylvester	
	.....	.....	900	Milford	Sylvester to Carroll	Carroll and Milford
8	.....	850	.....	Carroll	Milford to Rochelle avenue	Charleston avenue and Rochelle avenue
9	.....	250	.....	Rochelle avenue	Charleston avenue to Mast	
	.....	1,600	.....	Mast	Rochelle avenue to Bowman	
	750	.....	.....	Bowman	Mast to Milford	
	.....	650	.....	Bowman	Milford to A	
	.....	.....	100	A	Bowman to South Main	A and South Main
10	.....	750	.....	A	South Main to B	
	.....	250	.....	B	A to Milford	
	.....	750	.....	William	Milford to end of street	
	750	.....	.....	William	End of street to Milford	
	350	.....	.....	B	Milford to A	
	.....	300	.....	B	A to C	
	.....	.....	600	C	B to Boynton	
	.....	.....	350	Boynton	C to A	A and South Main
11	.....	350	.....	Boynton	A to C	
	.....	600	.....	C	Boynton to B	
	.....	250	.....	B	C to Prince	
	.....	400	.....	Prince	B to Boynton	
	.....	650	.....	Boynton	Prince to A	A and South Main
12	.....	1,900	.....	Boynton	A to B. J. Mack's house	
	4,450	24,950	2,300			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 10—Route No. 11.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	950	.....	School	Turner to South Main	School and Turner
	.....	200	.....	South Main	School to Granite	Granite and Main
2	.....	850	.....	South Main	Granite to M. & N. W. R. R.	
	.....	850	.....	South Main	M. & N. W. R. R. to Granite	Granite and Main
3	.....	950	.....	Granite	Main to Granite bridge	
	.....	100	.....	Granite	Granite bridge to Turner	
	.....	400	.....	Turner	Granite to School	School and Turner
4	.....	400	.....	Turner	School to Granite	
	.....	900	.....	Granite	Turner to Main	Granite and Main
5	.....	1,300	.....	Main	Granite to Adams	
	.....	.....	100	Adams	Main to Main west back	Adams and Main west back
6	100	.....	.....	Adams	Main west back to Main	
	.....	1,300	.....	Main	Adams to Granite	
	.....	500	.....	Granite	Main to west of West	Granite, west of West
7	.....	1,000	.....	Granite	West of West to M. & N. W. R. R.	
	.....	500	.....	Quincy	Granite to Douglas	
	.....	150	.....	Douglas	Quincy to Railroad	
	.....	450	.....	Douglas	Railroad to Green	
	.....	.....	200	Green	Douglas to Granite	Granite and Green
8	.....	200	.....	Green	Granite to Douglas	
	.....	1,150	.....	Douglas	Green to Main	
	.....	.....	350	Main	Douglas to Conant	Conant and Main
9	.....	1,500	.....	Conant	Main to Quincy	
	.....	200	.....	Quincy	Conant to Douglas	
	250	.....	.....	Douglas	Quincy to Green	
	.....	200	.....	Green	Douglas to Conant	

APPROPRIATION FOR WATERING STREETS.—ROUTE No. 11.—*Continued.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	.....	150	.....	Conant	Green to Hevey	
	.....	.....	800	Conant	Hevey to Cartier	Cartier and Conant
10	.....	250	.....	Cartier	Conant to Wilton	
	.....	250	.....	Wilton	Cartier to Notre Dame avenue	
	.....	300	.....	Notre Dame avenue.	Wilton to Adams	
	.....	200	.....	Adams	Notre Dame avenue to Main west back	Adams and Main west back
11	.....	450	.....	Adams	Main west back to Cartier	
	.....	300	.....	Cartier	Adams to Wilton	
	.....	250	.....	Wilton	Cartier to Notre Dame avenue	
	.....	300	.....	Notre Dame avenue	Wilton to Adams	
	.....	200	.....	Adams	Notre Dame avenue to Main west back	Adams and Main west back
12	.....	100	.....	Adams	Main west back to Main	
	.....	500	.....	Main	Adams to Conant	
	.....	400	.....	Conant	Main to West	
	.....	250	.....	West	Conant to Douglas	
	.....	400	.....	Douglas	West to Main	
	.....	.....	350	Main	Douglas to Conant	Conant and Main
13	400	.....	.....	Conant	Main to West	
	.....	800	.....	West	Conant to Clinton	
	.....	200	.....	Clinton	West to Dover	
	.....	600	.....	Dover	Clinton to Douglas	
	.....	.....	200	Douglas	Dover to Main	
	.....	.....	350	Main	Douglas to Granite	Granite and Main
14	550	.....	.....	South Main	Granite to Parker	
	.....	850	.....	Parker	South Main to M. & N. W. R. R.	
	.....	850	.....	Parker	M. & N. W. R. R. to South Main	
	.....	200	.....	South Main	Parker to Clinton	
	.....	300	.....	Clinton	South Main to Dover	
	.....	300	.....	Clinton	Dover to South Main	
	.....	.....	350	South Main	Clinton to Granite	Granite and Main
15	.....	650	.....	South Main	Granite to Walker	

	.....	1,150	.....	Walker	South Main to west of Turner	Walker, west of Turner
16	.....	50	.....	Walker	West of Turner to Turner	
	.....	1,000	.....	Turner	Walker to School	School and Turner
17	400	.....	.....	Turner	School to Granite	
	.....	250	.....	Granite	Turner to School	
	.....	1,600	.....	Second	Granite to M. & N. W. R. R.	
	.....	.....	400	Second	M. & N. W. R. R. to Walker	
	.....	.....	150	Walker	Second to west of Turner	Walker, west of Turner
18	450	.....	.....	Walker	West of Turner to Third	
	.....	300	.....	Third	Walker to M. & N. W. R. R.	
	.....	1,050	.....	Third	M. & N. W. R. R. to School	
	.....	200	.....	School	Third to Fourth	
	.....	250	.....	Fourth	School to Ferry	
	.....	750	.....	Ferry	Fourth to Turner	Ferry and Turner
19	300	.....	.....	Turner	Ferry to Bath	
	.....	450	.....	Bath	Turner to Third	
	.....	100	.....	Third	Bath to Ferry	
	.....	550	.....	Ferry	Third to South Main	
	.....	400	.....	South Main	Ferry to Granite	Granite and Main
20	.....	850	.....	South Main	Granite to M. & N. W. R. R.	
	.....	850	.....	South Main	M. & N. W. R. R. to Granite	Granite and Main
21	.....	1,300	.....	Main	Granite to Adams	
	.....	.....	100	Adams	Main to Main west back	Adams and Main west back
22	100	.....	.....	Adams	Main west back to Main	
	.....	1,300	.....	Main	Adams to Granite	Granite and Main
23	.....	200	.....	South Main	Granite to School	
	.....	950	.....	School	South Main to Turner	
	2,550	36,650	3,350			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 10—Route No. 12.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	400	.....	Amory	Main to McGregor	Amory and Main
	250	.....	.....	McGregor	Amory to Marion	
	.....	300	.....	Marion	McGregor to Main	
	250	.....	.....	Main	Marion to Wayne	
	.....	200	.....	Wayne	Main to McGregor	
	.....	500	.....	McGregor	Wayne to Main	Main and McGregor
2	500	.....	.....	McGregor	Main to Wayne	
	.....	750	.....	McGregor	Wayne to West Bridge	
	.....	400	.....	West Bridge	McGregor to McGregor bridge	
	.....	400	.....	West Bridge	McGregor bridge to McGregor	
	.....	.....	150	McGregor	West Bridge to Amory	
	.....	.....	400	Amory	McGregor to Main	Amory and Main
3	.....	900	.....	Main	Amory to McGregor	
	.....	900	.....	McGregor	Main to West Bridge	
	.....	.....	150	McGregor	West Bridge to Amory	
	.....	.....	400	Amory	McGregor to Main	Amory and Main
4	.....	1,100	.....	Main	Amory to Putnam	Main and Putnam
5	.....	1,200	.....	Main	Putnam to Adams	
	.....	100	.....	Adams	Main to standpipe	Adams, west of Main
6	.....	200	.....	Adams	Standpipe to Notre Dame avenue	
	.....	1,150	.....	Notre Dame avenue	Adams to Putnam	Notre Dame avenue and Putnam
7	.....	300	.....	Putnam	Notre Dame avenue to Cartier	
	.....	450	.....	Cartier	Putnam to Sullivan	
	.....	600	.....	Sullivan	Cartier to Main	
	450	.....	.....	Main	Sullivan to Schuyler	

	.....	300	.....	Schuyler	Main to Notre Dame avenue	
	.....	.....	250	Notre Dame avenue	Schuyler to Adams	
	.....	.....	200	Adams	Notre Dame avenue to standpipe	Adams, west of Main
8	100	.....	.....	Adams	Standpipe to Main	
	.....	1,200	.....	Main	Adams to Putnam	
	.....	300	.....	Putnam	Main to Notre Dame avenue	Notre Dame avenue and Putnam
9	.....	500	.....	Notre Dame avenue	Putnam to Wayne	
	.....	250	.....	Wayne	Notre Dame avenue to Cartier	
	.....	500	.....	Cartier	Wayne to Putnam	
	.....	250	.....	Putnam	Cartier to Dubuque	
	.....	500	.....	Dubuque	Putnam to Wayne	
	.....	250	.....	Wayne	Dubuque to Cartier	
	250	.....	.....	Wayne	Cartier to Notre Dame avenue	
	.....	300	.....	Wayne	Notre Dame avenue to Main	
	.....	.....	550	Main	Wayne to McGregor	Main and McGregor
10	.....	1,100	.....	Main	McGregor to Amory	Amory and Main
11	.....	150	.....	Amory	Main to Coolidge avenue	
	.....	700	.....	Coolidge avenue	Amory to Kelley	Coolidge avenue and Kelley
12	.....	1,250	.....	Notre Dame avenue	Kelley to Wayne	
	550	.....	.....	Notre Dame avenue	Wayne to Amory	
	.....	200	.....	Amory	Notre Dame avenue to Coolidge avenue	
	.....	.....	700	Coolidge avenue	Amory to Kelley	
13	.....	1,500	.....	Coolidge avenue	Kelley to Mason	
	.....	.....	1,500	Coolidge avenue	Mason to Kelley	Coolidge avenue and Kelley
14	.....	250	.....	Kelley	Coolidge avenue to Cartier	
	.....	400	.....	Cartier	Kelley to Coolidge avenue	
	250	.....	.....	Coolidge avenue	Cartier to Bremer	
	.....	400	.....	Bremer	Coolidge avenue to Rimmon	
	250	.....	.....	Bremer	Rimmon to Dubuque	
	.....	1,300	.....	Dubuque	Bremer to Amory	Amory and Dubuque
15	.....	500	.....	Amory	Dubuque to Notre Dame avenue	
	250	.....	.....	Amory	Notre Dame avenue to Cartier	
	250	.....	.....	Cartier	Amory to south of Amory	
	.....	950	.....	Cartier	South of Amory to Kelley	
	.....	250	.....	Kelley	Cartier to Dubuque	
	.....	.....	700	Dubuque	Kelley to Amory	Amory and Dubuque
16	.....	1,800	.....	Amory	Dubuque to west of Alsace	Amory, west of Alsace
17	.....	150	.....	Amory	Standpipe to Joliette	
	.....	550	.....	Joliette	Amory to Kelley	
	.....	250	.....	Kelley	Joliette to Alsace	
	.....	500	.....	Alsace	Kelley to Amory	
	.....	.....	100	Amory	Alsace to standpipe	Amory, west of Alsace
18	100	.....	.....	Amory	Standpipe to Alsace	
	500	.....	.....	Alsace	Amory to Kelley	
	.....	800	.....	Kelley	Alsace to Montgomery	
	.....	550	.....	Montgomery	Kelley to Amory	

APPROPRIATION FOR WATERING STREETS.—ROUTE NO. 12.—*Continued.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	550	.....	.....	Montgomery	Amory to Kelley	
	.....	250	.....	Kelley	Montgomery to Hevey	
	.....	1,000	.....	Hevey	Kelley to south of Amory	
	.....	.....	300	Hevey	South of Amory to Amory	
	.....	.....	550	Amory	Hevey to Dubuque	Amory and Dubuque
19	.....	550	.....	Dubuque	Amory to Wayne	
	.....	500	.....	Wayne	Dubuque to Hevey	
	200	.....	.....	Wayne	Hevey to Rimmon	
	.....	500	.....	Rimmon	Wayne to Putnam	
	500	.....	.....	Rimmon	Putnam to Wayne	
	.....	550	.....	Rimmon	Wayne to Amory	
	.....	.....	250	Amory	Rimmon to Dubuque	Amory and Dubuque
20	250	.....	.....	Amory	Dubuque to Rimmon	
	.....	700	.....	Rimmon	Amory to Kelley	
	.....	250	.....	Kelley	Rimmon to Hevey	
	250	.....	.....	Kelley	Hevey to Rimmon	
	.....	250	.....	Kelley	Rimmon to Dubuque	
	5,700	32,300	6,200			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 7—Route No. 13.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	900	.....	Massabesic	Taylor to Old Falls road	Massabesic and Taylor
	.....	900	.....	Massabesic	Old Falls road to Taylor	Massabesic and Taylor
2	.....	1,950	.....	Massabesic	Taylor to Lake avenue	
	.....	.....	350	Hall	Massabesic to Central	Central and Hall
3	350	.....	.....	Hall	Central to Massabesic	
	.....	1,050	.....	Massabesic	Lake avenue to Old Falls road	
	.....	500	.....	Old Falls road	Massabesic to Spruce	
	.....	.....	350	Spruce	Old Falls road to Massabesic	
	.....	.....	250	Massabesic	Spruce to Hall	
	.....	.....	350	Hall	Massabesic to Central	Central and Hall
4	250	.....	.....	Hall	Central to Lake avenue	
	.....	500	.....	Lake avenue	Hall to Wilson	
	.....	800	.....	Lake avenue	Wilson to Belmont	
	.....	500	.....	Spruce	Wilson to Hall	
	.....	500	.....	Hall	Spruce to Central	Central and Hall
6	250	.....	.....	Hall	Central to Lake avenue	
	300	.....	.....	Lake avenue	Hall to Belmont	
	.....	1,250	.....	Lake avenue	Belmont to Cass	Cass and Lake avenue
7	.....	450	.....	Lake avenue	Cass to Canton	
	.....	500	.....	Canton	Lake avenue to Cedar	Canton and Cedar
8	.....	250	.....	Canton	Cedar to Spruce	
	.....	1,700	.....	Spruce	Canton to Belmont	
	.....	.....	150	Spruce	Belmont to Massabesic	
	.....	.....	250	Massabesic	Spruce to Hall	
	.....	.....	350	Hall	Massabesic to Central	Central and Hall
9	250	.....	.....	Hall	Central to Lake avenue	

APPROPRIATION FOR WATERING STREETS.—ROUTE No. 13.—*Continued.*

Load.	Distance to Begin.	Distance Sprinkled	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	300	.....	.....	Lake avenue	Hall to Belmont	
	.....	1,050	.....	Belmont	Lake avenue to Summer	
	.....	250	.....	Belmont	Summer to Auburn	
	.....	800	.....	Auburn	Belmont to Wilson	Auburn and Wilson
10	.....	800	.....	Wilson	Auburn to Lake avenue	
	.....	800	.....	Wilson	Lake avenue to Auburn	Auburn and Wilson
11	250	.....	.....	Wilson	Auburn to Cedar	
	.....	450	.....	Cedar	Wilson to Hall	
	.....	250	.....	Hall	Cedar to Spruce	
	.....	500	.....	Hall	Spruce to Auburn	
	.....	250	.....	Hall	Auburn to Summer	Hall and Summer
12	250	.....	.....	Hall	Summer to Auburn	
	.....	300	.....	Auburn	Hall to Belmont	
	.....	250	.....	Belmont	Auburn to Summer	
	.....	600	.....	Summer	Belmont to Massabesic	
	.....	200	.....	Summer	Massabesic to Dearborn	
	.....	550	.....	Dearborn	Summer to Taylor	
	.....	.....	200	Taylor	Dearborn to Massabesic	Massabesic and Taylor
13	.....	350	.....	Taylor	Massabesic to Grove	
	.....	800	.....	Grove	Taylor to Belmont	
	2,700	21,350	2,500			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 7—Route No. 14.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	1,300	.....	Belmont	Hayward to Somerville	Belmont and Hayward
	.....	1,300	.....	Belmont	Somerville to Hayward	Belmont and Hayward
2	650	.....	.....	Belmont	Hayward to Harvard	
	.....	800	.....	Harvard	Belmont to Wilson	
	.....	250	.....	Wilson	Harvard to Silver	Silver and Wilson
3	.....	1,000	.....	Silver	Wilson to railroad	
	.....	1,000	.....	Silver	Railroad to Wilson	Silver and Wilson
4	.....	600	.....	Wilson	Silver to Clay	
	.....	600	.....	Wilson	Clay to Silver	
5	300	.....	.....	Wilson	Silver to Somerville	
	.....	800	.....	Somerville	Wilson to Belmont	
	.....	800	.....	Somerville	Belmont to Wilson	
	.....	.....	300	Wilson	Somerville to Silver	Silver and Wilson
6	1,400	.....	.....	Wilson	Silver to Valley	
	.....	1,550	.....	Valley	Wilson to Taylor	
	500	.....	.....	Taylor	Valley to Hayward	
	.....	600	.....	Hayward	Taylor to Belmont	Belmont and Hayward
7	450	.....	.....	Belmont	Hayward to Valley	
	.....	1,050	.....	Belmont	Valley to Summer	
	.....	300	.....	Summer	Belmont to Hall	
	.....	800	.....	Hall	Summer to Bell	
	.....	.....	800	Hall	Bell to Summer	Hall and Summer
8	.....	250	.....	Hall	Summer to Auburn	
	.....	450	.....	Auburn	Hall to Wilson	
	.....	250	.....	Wilson	Auburn to Summer	
	.....	450	.....	Summer	Wilson to Hall	Hall and Summer

APPROPRIATION FOR WATERING STREETS.—ROUTE NO. 14.—*Concluded.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
9	450	.....	.....	Summer	Hall to Wilson	
	.....	2,200	.....	Wilson	Summer to Harvard	
	.....	.....	300	Wilson	Harvard to Silver	Silver and Wilson
10	.....	800	.....	Silver	Wilson to Belmont	
	.....	950	.....	Belmont	Silver to Hayward	Belmont and Hayward
11	.....	300	.....	Hayward	Belmont to Taylor	
	.....	1,250	.....	Taylor	Hayward to Somerville	
	3,750	19,950	1,400			

APPROPRIATION FOR WATERING STREETS.

Itemized Operations.

Division No. 7—Route No. 15.

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Street.	Limits.	Standpipe.
1	.....	2,000	.....	Massabesic	Hall road to Taylor	Hall road and Massabesic
	.....	.....	.....			Massabesic and Taylor
2	.....	500	.....	Massabesic	Taylor to Cypress	
	.....	500	.....	Massabesic	Cypress to Taylor	Massabesic and Taylor
3	500	.....	.....	Massabesic	Taylor to Cypress	
	.....	1,500	.....	Massabesic	Cypress to Hall road	Hall road and Massabesic
4	.....	900	.....	Massabesic	Hall road to Hayward	
	.....	900	.....	Massabesic	Hayward to Hall road	Hall road and Massabesic
5	900	.....	.....	Massabesic	Hall road to Hayward	
	.....	700	.....	Mammoth road	Hayward to half way to Young	
	.....	.....	700	Mammoth road	Half way from Hayward to Young	
	.....	.....	900	Massabesic	Hayward to Hall road	Hall road and Massabesic
6	900	.....	.....	Massabesic	Hall road to Hayward	
	700	.....	.....	Mammoth road	Hayward to half way to Young	
	.....	700	.....	Mammoth road	Half way from Hayward to Young	
	.....	.....	1,400	Mammoth road	Young to Hayward	
	.....	.....	900	Massabesic	Hayward to Hall road	Hall road and Massabesic
7	300	.....	.....	Massabesic	Hall road to Porter	
	.....	350	.....	Porter	Massabesic to Hayward	
	.....	500	.....	Hayward	Porter to Mammoth road	
	.....	.....	500	Hayward	Mammoth road to Porter	
	.....	.....	350	Porter	Hayward to Massabesic	
	.....	.....	300	Massabesic	Porter to Hall road	Hall road and Massabesic
8	100	.....	.....	Massabesic	Hall road to Valley	
	.....	1,300	.....	Valley	Massabesic to Cypress	
	.....	.....	500	Cypress	Valley to Hayward	

APPROPRIATION FOR WATERING STREETS.—ROUTE NO. 15.—*Continued.*

Load.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	STREET.	LIMITS.	STANDPIPE.
	.....	.....	200	Hayward	Cypress to Foster avenue	Foster avenue and Hayward
9	.....	200	.....	Hayward	Foster avenue to Jewett	
	.....	850	.....	Jewett	Hayward to Massabesic	
	400	.....	.....	Massabesic	Jewett to Cypress	
	.....	100	.....	Cypress	Massabesic to Hayward	
	.....	.....	200	Hayward	Cypress to Foster avenue	Foster avenue and Hayward
10	.....	200	.....	Hayward	Foster avenue to Cypress	
	500	.....	.....	Cypress	Hayward to Valley	
	.....	600	.....	Valley	Cypress to Taylor	
	.....	800	.....	Taylor	Valley to Massabesic	Massabesic and Taylor
11	800	.....	.....	Taylor	Massabesic to Valley	
	.....	850	.....	Taylor	Valley to Young	
	.....	.....	250	Taylor	Young to Hayward	
	.....	.....	900	Hayward	Taylor to Foster avenue	Foster avenue and Hayward
12	200	.....	.....	Hayward	Foster avenue to Jewett	
	.....	850	.....	Jewett	Hayward to Young	Jewett and Young
13	.....	350	.....	Jewett	Young to Somerville	
	.....	400	.....	Somerville	Jewett to Cypress	
	.....	400	.....	Somerville	Cypress to Jewett	
	.....	350	.....	Jewett	Somerville to Young	Jewett and Young
14	350	.....	.....	Jewett	Young to Somerville	
	400	.....	.....	Somerville	Jewett to Cypress	
	.....	750	.....	Somerville	Cypress to Taylor	
	.....	750	.....	Somerville	Taylor to Cypress	
	.....	.....	400	Somerville	Cypress to Jewett	
	.....	.....	350	Jewett	Somerville to Young	Jewett and Young
15	.....	1,350	.....	Young	Jewett to Taylor	
	.....	700	.....	Young	Taylor to east of Ainsworth avenue	
	.....	.....	650	Young	East of Ainsworth avenue to Jewett	Jewett and Young
16	.....	850	.....	Jewett	Young to Hayward	

	.....	.....	200	Hayward	Jewett to Foster avenue.....	Foster avenue and Hayward
17	.....	600	.....	Hayward	Foster avenue to Riley avenue.....	
	.....	.....	600	Hayward	Riley avenue to Foster avenue.....	
18	.....	500	.....	Foster avenue.....	Hayward to Valley.....	
	.....	200	.....	Valley	Foster avenue to Jewett.....	
	.....	350	.....	Jewett	Valley to Massabesic.....	
	.....	500	.....	Massabesic	Jewett, easterly to angle.....	
	6,050	23,250	9,300			

SUMMARY OF SPRINKLING ROUTES.

Route.	A. M.					P. M.					
	Number of Loads.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Total.	Number of Loads.	Distance to Begin.	Distance Sprinkled.	Distance to Load.	Total.	Total for Day.
Route No. 1, Division No. 2, north of Webster, River road to Beech	18	6,050	31,850	3,900	41,800	*14	*4,820	*25,480	*3,120	*33,440	75,240
Route No. 2, Division No. 2, Elm to Beech, Harrison to Webster	20	6,050	36,550	3,300	45,900	11	3,950	22,000	2,850	28,800	74,700
Route No. 3, Division No. 2, Elm to Beech, Amherst to Prospect	18	6,350	34,600	6,150	47,100	*11	*5,080	*27,680	*4,920	*37,680	84,780
Route No. 4, Division No. 2, Beech easterly, Bridge northerly	14	2,900	29,800	4,300	37,000	9	3,875	18,250	2,950	25,075	62,075
Route No. 5, Division No. 2, Hanover to Bridge, Beech to top of hill	17	8,250	26,050	8,300	42,600	*14	*6,600	*20,840	*6,640	*34,080	76,680
Route No. 6, Division No. 2, Union to Hall, Hanover to Auburn	16	8,750	30,100	4,650	43,500	*13	*7,000	*24,080	*3,720	*34,800	78,300
Route No. 7, Division No. 2, Chestnut to Beech, Hanover to Valley	17	8,450	28,150	6,200	42,800	*14	*6,760	*22,520	*4,960	*34,240	77,040
Route No. 8, Division No. 2, Bridge to Auburn, Chestnut westerly	27	9,100	31,000	11,650	51,750	*22	*7,280	*24,800	*9,320	*41,400	93,150
Route No. 9, Division No. 2, Pine westerly, Valley southerly	14	700	24,800	8,600	34,100	*11	*560	*19,840	*6,880	*27,280	61,380
Route No. 10, Division No. 10, south of Blaine and Winter	12	4,450	24,950	2,300	31,700	*10	*3,560	*19,960	*1,840	*25,360	57,060
Route No. 11, Division No. 10, Adams to railroad, Turner to Quincy	23	2,550	36,650	3,350	42,550	*18	*2,040	*29,320	*2,680	*34,040	76,590
Route No. 12, Division No. 10, north of Adams, west of Main	20	5,700	32,300	6,200	44,200	*10	*4,560	*25,840	*4,960	*35,360	79,560
Route No. 13, Division No. 7, Wilson to Canton, Lake avenue to Grove	13	2,700	21,350	2,500	26,550	*10	*2,160	*17,080	*2,000	*21,240	47,790

Route No. 14, Division No. 7, Wilson to Taylor, Somerville southerly	11	3,750	19,950	1,400	25,100	*9	*3,000	*15,960	*1,120	*20,080	45,180
Route No. 15, Division No. 7, Taylor to Mammoth road, Massabesic to Young	18	6,050	23,250	9,300	38,600	*14	*4,840	*18,600	*7,640	*31,080	69,680
	258	81,800 Miles 15.49	431,350 Miles 81.69	82,100 Miles 15.54	595,250 Miles 112.72	199	66,105 Miles 12.52	332,250 Miles 62.92	65,600 Miles 12.42	463,955 Miles 87.86	1,059,205 Miles 200.58

*Estimated.

WATERING STREETS.

City	9 routes	9 sprinklers
East Manchester	3 routes	3 sprinklers
West Manchester	3 routes	3 sprinklers
Total	15 routes	15 sprinklers

Cost of sprinkling: 15 sprinklers, $75 per day.

Sprinkling season:

April 14 to November 1, 200 days.

Thirty percent of the time, sprinkling probably not necessary.

1908-09-10-11 data as to street sprinkling.

Total number loads for one day, 457.

Distance to begin for one day, 28.01 miles.

Distance sprinkled for one day, 144.61 miles.

Distance to load for one day, 27.96 miles.

Total distance traveled for one day, 200.58 miles.

Standpipes, 68.

Capacity of sprinklers, 600 gallons.

Total gallons per day, 274,200.

Average loads per sprinkler per day, 30.46.

Average gallons per sprinkler per day, 18,280.

Average distance traveled per sprinkler per day, 13.37 miles.

Average distance sprinkled per day, 9.64 miles.

Average effectiveness per sprinkler per day, 72 percent.

Average waste (distance) per sprinkler per day, 28 percent.

Average cost per mile sprinkled (effective work), $0.518.

Average cost per mile sprinkled (effective work) should be $0.371.

Average distance sprinkled per load of 600 gallons. 1,670 feet or 2.78 feet per gallon.

The effectiveness per sprinkler can be increased by installing more standpipes and changing the location of some of those already in, and rearranging the routes.

APPROPRIATION FOR WATERING STREETS.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Contract		$262.73	.020
Equipment		781.20	.060
Freight		285.83	.022
Payroll, Division 2	$5,743.40		
4	17.49		
7	1,243.97		
10	1,899.28		
		8,904.14	.677
Repairs		105.50	.008
Road oil		2,493.78	.190
Supplies		305.73	.023
Total expenditures		$13,138.91	1.000
Appropriation		.....	$10,000.00
Credits		.....	2,972.81
Overdraft		.....	166.10
		$13,138.91	$13,138.91

APPROPRIATION FOR

EXPENDITURES.

For	To	Cr.	
Abatements	George H. Austin	$7.80	
	Thomas Bolton	.80	
	Augustine Charron	.60	
	John E. Cheney	.35	
	Ellen E. DeCourcey	1.20	
	Charles M. Hecker	.30	
	Rose A. Kennedy	.53	
	Daniel S. Kimball	8.39	
	F. X. Laflamme	2.18	
	Frank W. Leeman	1.38	
	Frank Manning	3.50	
	W. B. McIlvain	5.58	
	J. P. Reardon	7.82	
	George Rief	.60	
	E. T. Sherburne	3.83	
	Sam B. Tarrante	4.26	
	Charles C. Tinkham	.30	
			$49.42
Advertising	The John B. Clarke Co	$17.68	
	The Manchester Union Co.	12.25	
			29.93
Brown-tail moth contract, dist. w'k	Daniel F. Cronin		3,405.61
" " " private w'k	"		1,174.44
District work, labor inspectors	John T. Bryson	$21.88	
	Edward R. O'Brien	97.51	
	Edward R. Truesdale	10.00	
			129.39
Freight	Boston & Maine		4.92
Labor	Harry T. George		20.00
Liability insurance	Manchester T., L. & P. Co		8.31
Oil	Standard Oil Co.		27.53
Postage	E. H. Chadbourne, P. M.		73.06
Printing	The John B. Clarke Co.		37.75
Private work, labor inspectors	John T. Bryson	$72.74	
	James D. Hayes	46.24	
	William McQuade	72.37	
	Edwin H. Pierce	58.37	
	Edward R. Truesdale	64.69	
			314.41
Smudge pots	John T. Hannigan	$100.00	
	Manchester T., L. & P. Co.	238.56	
			338.56
			$5,613.33
Balance	Common Council		577.08
			$6,190.41

BROWN-TAIL AND GYPSY MOTHS.

RECEIPTS.

Dr.	By	For
$2.17	County of Hillsborough...	Labor removing brown-tail moth nests
5.40	State Industrial School....	" " "
1,182.84	Tax Collector	Brown-tail moth tax coll. for private work
5,000.00	Common Council.....	Brown-tail and gypsy moth
$6,190.41		
$6,190.41		

APPROPRIATION FOR BROWN-TAIL AND GYPSY MOTHS.

Itemized Operations.

	Cutting brown-tail moth nests from trees in Districts 1 to 16.	Cutting brown-tail moth nests from trees on private property.	Setting brown-tail moth traps on electric light arms.
Abatements	.....	$49.42	.....
Advertisements	$29.93	.....	.....
Contract	3,405.61	1,137.19	$238.56
Freight	.....	.....	4.92
Fuel oil	.....	.....	27.53
Inspectors	129.39	314.41	.....
Insurance	.....	.....	8.31
Mailing	.....	20.00	.....
Postage	.....	73.06	.....
Printing	.....	37.75	.....
Smudge pots (100)	.....	.....	100.00
Spraying	.....	37 25	.....
	$3,564.93	$1,669.08	$379.32

APPROPRIATION FOR BROWN-TAIL AND GYPSY MOTHS.

Itemized Operations.

Location.	Nature of Work.	Number of Trees.	Foreman, Hours.	Climbers, Hours.	Ground-men, Hrs.	Inspectors Hours.	Contract.
District No. 1..	Removing and destroying brown-tail moth nests from..	551	27	333	112	27	$145.00
" 2..	" " "	1,112	20	399	111	20	150.00
" 3 .	" " "	211	14	224	70	14	70.00
" 4..	" " "	220	17	196	67	18	90.00
" 5..	" " "	2,035	22	390	124	22	180.00
" 6.	" " "	735	22	340	110	22	150 00
" 7..	" " "	704	20	320	90	20	160.00
" 8..	" " "	1,086	25	362	141	25	165.00
" 9	" " "	468	20	393	120	20	155.00
" 10..	" " "	762	34	610	189	34	270.00
" 11..	" " "	1,017	37	582	185	36	280.00
" 12..	" " "	1,492	45	1.170	345	27	410.00
" 13..	" " "	1,621	70	886	320	70	400.00
" 14..	" " "	2,687	66	756	294	66	370.00
" *15..	" " "	424	.....	.....	.....	.....	150.00
" 16..	" " "	14,200	45	555	221	45	390.00
		29,325	484	7,516	2,499	466	$3,535.00

*Time for this district is included in Districts Nos. 1 and 14.

The work of removing the brown-tail moth nests was carried on through the months of January, February and March, 1911. Proposals were advertised for and the contract was awarded to Daniel F. Cronin of Manchester, N. H., to remove all the brown-tail moth nests from the trees in the public highways throughout the city. The city was divided into districts as follows:

District No. 1 includes that part of Manchester west of the Merrimack river, and south of the Piscataquog river.

District No. 2 lies north of the Piscataquog river, west of the Merrimack river, and south of West Bridge, Amory, Coolidge avenue and Kelley streets.

District No. 3 lies north of District No. 2, west of the Merrimack river, and south of Amoskeag and Front streets and Goffstown road.

District No. 4 lies west of the Merrimack river and includes the remaining part of Manchester north of District No. 3.

District No. 5 lies east of the Merrimack river, north of West Salmon street, Smyth and Kennard roads, and west of the Mammoth road.

District No. 6 lies east of the Mammoth road and north of the Candia road.

District No. 7 lies south of the Candia road and east of the Mammoth road.

District No. 8 lies west of the Mammoth road, south of the Cilley road and Baker street and east of the Manchester & Lawrence railroad.

District No. 9 lies west of the Manchester & Lawrence railroad south of Granite street and east of the Merrimack river.

District No. 10 lies north of Cilley road and Baker street, east of the Manchester & Lawrence railroad, south of Valley and Massabesic streets, and west of the Mammoth road.

District No. 11 lies north of Valley and Massabesic streets, west of Mammoth road, south of Lake avenue, and east of Canal street.

District No. 12 lies north of Lake avenue, east of Canal and Franklin streets, south of Hanover street and west of Mammoth road.

District No. 13 lies north of Hanover street, west of Mammoth road, south of Bridge and West Bridge streets, and east of Canal street and east of the Stark and Amoskeag corporations and also includes the Stark and Amoskeag corporations east of the Merrimack river.

District No. 14 lies north of Bridge and West Bridge streets, east of Canal street, south of West Salmon and Sagamore streets and Smyth and Kennard roads, and west of Mammoth road.

District No. 15 includes all public and parochial school yards.

District No. 16 includes all public parks, commons and the city farm.

The contract prices were as follows:

District No. 1	$145.00
2	150.00
3	70.00
4	90.00
5	180.00
6	150.00
7	160.00
8	165.00
9	155.00
10	270.00
11	280.00
12	410.00
13	400.00
14	370.00
15	150.00
16	390.00
Total	$3,535.00

The contract further required that the contractor furnish all labor for private work at the following prices:

Climbers .....35 cents per hour
Groundmen .....25 cents per hour

Under this contract a liability policy running to the city of Manchester by its Board of Public Works covering accidents to the amount of $5,000 for any one person and not more than $15,000 for any one accident was furnished by the contractor. A bond was also furnished to the amount of eighty (80) percent of the contract price guaranteeing the completion of the contract on or before the fifteenth of April, 1912, and to the satisfaction of the Board of Public Works.

Five (5) inspectors were employed on the private work up to and into April, 1911, at a total cost of $314.41; each inspector had two climbers and one groundman under his supervision and to each inspector was given a certain district and all trees within these districts were cleaned.

A memorandum in triplicate was kept, giving the name of the owner of the property upon which said work was done, whenever such could be obtained; the date when the work was done, and the location of the property upon which the work was done, also the names of those employed, length of time, rate, and total cost of the job and remarks. One memorandum was left at the house, if there was such, providing it was occupied by the owner, or sent to the owner in case the property was rented or not built up, the other two copies were turned in to the office of the board, one of which was delivered to the Board of Assessors and the other kept on file.

Before the first of November, 1911, notices were sent to the owner of every piece of property in the city of Manchester, N. H. These notices were sent through the mail and the addresses of the owners

were obtained from the Board of Assessors and the tax collector, and it is presumed that every property owner within the limits of the city was reached.

Many gypsy moth and elm leaf beetle infestations were found; the appropriation for brown-tail and gypsy moth does not provide for the extermination of the elm leaf beetle, neither has this city done any gypsy moth work, such work to date having been under the supervision of Col. Thomas H. Dearborn, state agent for suppressing the brown-tail and gypsy moths.

A census of trees was taken throughout the highways, parks, commons, schoolyards and city farm within the city of Manchester, N. H., by the district work inspectors during the prosecution of the 1911 contract for removing and destroying brown-tail moth nests for the Board of Public Works of the city of Manchester, N. H.

The following is a table which is a summary of the elm, maple, oak, poplar, and other trees in each district. In prosecuting the work of taking the census all trees were located by streets and between streets giving almost their exact location.

SUMMARY.

District.	Elm.	Maple.	Oak.	Poplar.	Other.	Total.
1	216	243	16	30	46	551
2	253	745	2	97	15	1,112
3	66	52	8	28	57	211
4	83	31	97	.....	9	220
5	448	1,310	67	130	90	2,035
6	87	256	161	88	143	735
7	154	329	109	22	90	704
8	220	312	208	10	336	1,086
9	254	101	23	41	49	468
10	132	409	4	199	18	762
11	240	583	5	184	5	1,017
12	735	733	2	18	4	1,492
13	678	837	3	36	67	1,621
14	779	1,753	55	98	2	2,687
15	72	278	9	.....	65	424
16	578	1,284	70	67	6,701	8,700
	4,995	9,256	839	1,038	7,697	23,825
Stark park (trees in groves estimated)...				.....	5,500	
	4,995	9,256	839	1,038	13,197	29,325

APPROPRIATION FOR BROWN-TAIL AND GYPSY MOTHS.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Abatements	$49.42	.008
Contract	4,580.05	.817
Freight	4.92	.001
Inspection	463.80	.083
Insurance	8.31	.002
Postage	73.06	.013
Printing	67.68	.012
Supplies	366.09	.065
Total expenditures	$5,613.33	1.000
Appropriation	.....	$5,000.00
Receipts	.....	1,190.41
Balance	577.08	
	$6,190.41	$6,190.41

APPROPRIATION FOR CUTTING AND TRIMMING TREES.

Itemized Operations.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Iron fence	Concord Foundry & Mach. Co.		$4.87	$3.00	J. H. DeCourcy Coal Co.	Chopping blocks
Labor	Daniel F. Cronin	$41.66		8.29	Charles W. Brown, Agent	Labor
	The Head & Dowst Co.	6.60		1,000.00	Common Council	Cutting and trimming trees
			48.26			
Payroll	Division No. 2	$1,400.52				
	" 10	91.50				
			1,492.02			
Repairing tools	Harry A. Piper		6.20			
Tools	John B. Varick Co.		8.64			
			$1,559.99	$1,011.29		
				548.70	Common Council	Overdraft
			$1,559.99	$1,559.99		

APPROPRIATION FOR CUTTING AND TRIMMING TREES.

Itemized Operations.

Location.	Trees. Cut.	Labor.	Trees. Trimmed.	Labor.
Adams, corner Webster	3	$13.50	..	.....
Amherst, corner Belmont	2	22.10	..	.....
Amherst, at Holt's	1	17.10	..	.....
Amory, Main, southwest corner	2	8.10	1	$1.80
Appleton, at No. 37	..	.....	1	2.70
Appleton (south side), Chestnut westerly	1	3.60	..	.....
Appleton (north side), Chestnut westerly	2	9.90	..	.....
Ash, No. 15	..	.....	..	4.50
Ash, corner Bridge	2	7.20	..	.....
Beech (west side), Silver southerly	1	3.60	3	1.80
Beech (east side), Harrison northerly	1	9.90	..	.....
Beech (east side), between Central and Laurel	..	.....	1	3.60
Bridge, at Union	..	.....	2	6.30
Bridge (north side), Pine easterly	1	21.60	..	.....
Bridge, at Union	2	16.20	..	.....
Bridge, No. 121	..	.....	1	1.80
Bridge, No. 61	2	6.30	..	.....
Brown avenue, No. 17	1	12.60	5	3.60
Buzzell (west side), Bridge southerly	1	19.80	..	.....
Central (north side), between Pine and Union	1	35.10	..	.....
Central, between Beech and Maple	..	.....	1	4.50
Central, No. 237	1	6.30	..	.....
Chestnut (west side), Clarke northerly	..	.....	2	3.60
Chestnut (west side), Pearl southerly	1	12.60	..	.....
Chestnut, Orange northerly	..	.....	1	1.80
Chestnut, Concord southerly	1	10.80	..	.....
Chestnut in K. of P. lot	1	5.40	..	.....
Clarke (north side), Chestnut westerly	1	.90	..	.....
Clinton, No. 36	1	9.90	..	.....
Concord (north side), Malvern westerly	..	.....	3	16.20
Elm (east side), south of Hose 3	1	3.60	12	12.60
Elm (east side), south of Green	1	3.60	..	.....
Elm (east side), front of F. H. Poore	..	.....	..	9.00
Elm (east side), Spruce southerly	1	4.50	..	.....
Elm (east side), Myrtle northerly	1	9.00	..	.....
Elm (east side), Green northerly	1	1.80	..	.....
Elm (east side), Auburn southerly	3	12.60	..	.....
Franklin (east side), Merrimack to Pleasant	..	.....	..	19.80
Front, No. 461	2	73.80	..	.....
Grove, No. 291	4	7.20	..	.....
Hanover (south side), Chestnut to Union	..	.....	..	19.80
High, No. 51	1	45.90	..	.....
High, No. 51	..	.....	1	2.70
High, No. 47	1	9.70	..	.....
Lincoln, Lake avenue southerly	1	23.40	..	.....
Lake avenue, No. 319	1	6.30	..	.....
Lake avenue, Hall to Union	..	.....	..	63.00
Laurel, Chestnut easterly	1	7.20	3	3.60
Laurel, No. 177	..	.....	1	1.80
Laurel, Union to Hall	..	.....	..	122.40
Laurel (north side), Lincoln easterly	1	6.30	..	.....
Lincoln, northwest corner Lake avenue	1	7.20	..	.....
Lowell, near Highland	1	7.20	..	.....
Main, No. 528	1	3.60	2	1.80
Main (west side), Putnam northerly	1	7.20	..	.....
Manchester, northwest corner Wilson	1	11.70	..	.....
Manchester, near Belmont	1	15.30	..	.....
Manchester, corner Pine	1	16.20	..	.....
Manchester, near Pine	1	12.60	1	1.80
Maple, southwest corner Hanover	..	.....	..	1.80
Maple (east side), corner Central	..	.....	4	27.90

Location.	Trees. Cut.	Labor.	Trees. Trimmed.	Labor.
Mechanic (south side), Y. M. C. A.	2	$18.00	..	.....
Merrimack (south side), between Union and Pine	..	.....	4	$6.30
Merrimack, No. 222	1	27.00	..	.....
Merrimack, No. 264	1	9.00	..	.....
Merrimack, No. 471	1	18.00	..	1.80
Merrimack (south side), between Lincoln and Wilson	..	.....	1	9.00
Merrimack, Union to Hall	..	.....	..	114.30
Orange, No. 318	..	.....	1	1.80
Orange, No. 235	1	4.50	..	.....
Orange, No. 159	2	11.70	..	.....
Parker, No. 17	1	10.80	..	.....
Pearl, northeast corner Union	1	9.00	..	.....
Pearl, No. 116	3	84.60	..	.....
Pine (west side), Manchester southerly	1	12.60	..	.....
Pine, between Lake avenue and Spruce	1	6.30	..	.....
Pine (west side), Valley northerly	3	25.20	..	.....
Pine, Nos. 485-487	3	16.20	..	.....
Pine (west side), Monadnock lane northerly	1	48.60	..	.....
Prospect, Nos. 15, 17, 19	2	43.20	..	.....
School, No. 106	1	5.40	..	.....
Second, No. 154	1	5.40	..	.....
Silver (south side), Beech westerly	1	5.40	..	.....
Spruce, No. 176	1	8.10	..	.....
Spruce, No. 177	1	5.40	..	.....
Spruce, No. 308	..	.....	1	2.70
Spruce, corner Union	2	18.90	..	.....
Spruce, northeast corner Union	..	.....	3	5.40
Third, No. 24	2	22.50	4	7.20
Union (west side), Silver southerly	..	.....	..	9.00
Union (east side), head of High	..	.....	1	4.50
Union, No. 389	2	11.70	..	.....
Walnut, northwest corner Bridge	..	.....	1	2.70
Walnut, Concord southerly	1	9.90	..	.....
Walnut (east side), Concord northerly	..	.....	1	1.42
	93	$985.70		$506.32
		506.32		
Total cost		$1,492.02		

APPROPRIATION FOR CUTTING AND TRIMMING TREES.

Percentage Report.

		Classified Expenditures.	Percent of Total Expenditures.
Contract		$48.26	.031
Payroll, Division 2	$1,400.52		
10	91.50		
		1,492.02	.957
Repairs		6.20	.004
Supplies		4.87	.003
Tools		8.64	.005
Total expenditures		$,559.99	1.000
Appropriation		.....	$1,000.00
Receipts		.....	11.29
Overdraft		.....	548.70
		$1,559.99	$1,559.99

APPROPRIATION FOR ELM LEAF BEETLE

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Arsenate of lead	John B. Varick Co.		$475.95	$3,000.00	Common Council	Elm leaf beetle
Elm leaf beetle contract	Daniel F. Cronin		2,606.48			
Labor—inspection	William McQuade	$55.44				
	E. R. Truesdale	66.00	121.44			
			$3,203.87	$3,000.00		
				203.87	Common Council	Overdraft
			$3,203.87	$3,203.87		

APPROPRIATION FOR ELM LEAF BEETLE.

Itemized Operations.

Spraying 4,995 elm trees in highways, parks, and commons and 251 other trees in commons. Total, 5,246 trees @ .497c per tree	$2,606.48
Inspecting spraying 5,246 trees @ .023c per tree	121.44
Arsenate of lead	475.95
	$3,203.87

The contract for spraying was let to Daniel F. Cronin at 52c per tree. The contractor furnished all labor, tools and transportation, the city furnished the arsenate of lead, and the inspectors' salaries were deducted from the contract price.

APPROPRIATION FOR ELM LEAF BEETLE.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Contract	$2,606.48	.813
Inspection	121.44	.038
Supplies	475.95	.149
Total expenditures	$3,203.87	1.000
Appropriation	.....	$3,000.00
Overdraft	.....	203.87
	$3,203.87	$3,203.87

SEWER DEPARTMENT

NEW SEWERS AND REPAIRS OF SEWERS.

APPROPRIATION FOR NEW SEWERS.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Brick	W. F. Head & Son	$828.99		$36.75	Pine Grove cemetery	Brick.
	Head & Dowst Co.	11.00		12.24	W. M. Parker	Castings.
			$839.99	10.50	W. E. Goodwin	"
Castings	Concord Fdry. & Mach. Co.		789.77	24.00	F. T. Ley Co.	"
Cement	Henry W. Parker		256.50	2.32	Pine Grove cemetery	"
Claims	C. A. Folsom, M. D.	$3.00		481.06	Amoskeag Mfg. Co.	Labor and material.
	Daniel Readey	70.00		8.97	Margaret A. Barnard	"
			73.00	16.53	C. S. Kendrick	"
Coal	L. B. Bodwell & Co.		24.73	4.62	Mrs. Delia M. Chadwick	"
Explosives	John B. Varick Co.		412.37	17.62	Rev. John J. Brophy	"
Freight	Boston & Maine R. R.		663.06	7.25	Bernard Morganstein	"
Insurance	Putnam & Laflamme		200.00	12.56	Mrs. A. Trudeau	"
Lights	Standard Oil Co.		20.63	7.86	Joseph Gilmartin	"
Lumber	Cavanaugh Bros.	$289.59		35.01	Harry S. Holbrook	"
	B. F. Greer	341.64		7.00	Thomas Mahoney	"
	W. S. Lumber Co.	230.29		114.62	Frederick Keuhn	"
			861.52	4.04	F. H. Tibbetts	"
Payroll	Division No. 2	$9,534.77		9.58	T. B. Smith & Co.	"
	" 7	987.36		2.78	H. W. Powers	"
	" 10	4,546.02		14.00	Brooks & Brock	"
			15,068.15	7.00	C. A. Brooks	"
Repairs to equipment	American Locomotive Co.	$11.00		8.50	Robert Matheson	"
	Amoskeag Mfg. Co.	11.30		9.00	Frank E. Leavitt	"
	Carson Trench Mach. Co.	33.50		26.13	Jeremiah Hodge	"
	Drew Machinery Agency	4.00		6.07	F. C. Livingston	"
	Pike & Heald Co.	8.43		4.00	James D. Bixby	"
			68.23	9.00	Henry Weber	"
Sand	N. O. Garland, River road sewer		93.10	9.25	C. L. Austin	"
				1,500.00	Manchester Water Works	"
Sewer contract	J. F. Cavanaugh, River rd. sewer		2,547.53	9.95	J. W. Lindsay	Pipe.
				15.30	J. W. Wilbur Land Co.	"
Sewer pipe	Eastern Clay Goods Co.	$5,859.57		2.70	William G. Brown	"
	Manchester Supply Co.	38.65		63.94	John H. Stevens	"
	Pike & Heald Co.	47.94		13.50	Interstate Land Co.	"

	Mrs. David H. Young	5.29		5.64	R. C. Brown	"
			5,951.45	2 40	Victor Boisvert	"
Supplies	George W. Dodge Shoe Co.	$32.00		63.84	William Corey	"
	Dyar Supply Co.	30.00		1.52	F. W. Fisher	"
	Manchester St. Ry.	10.00		2.88	Elmer Healy	"
	H. W. Parker	.60		2.82	Fred Hamel	"
	B. H. Piper Co	17.50		9 90	George Langdell	"
	John B. Varick Co.	99.88		5 50	Camille F. Moquin	"
			189.98	7.70	Laurent Roy	"
Tools	John B. Varick Co.		36.06	9.90	H. D. Gould	"
				10.00	F. E. Wells	"
				3.80	J. O. Johnson	"
				6.88	Melvin Hall	"
				4.59	William McPherson	"
				2.20	W. P. Paige	"
				8.80	E. E. Hubble	"
				1.10	Harry E. Cole	"
				7.45	Pike & Heald Co.	"
				138.76	Manchester St. Ry.	"
				4.40	Henry Morrell	"
				4.95	Edward Garon	"
				1.12	A. H. Tirrell	"
				62.84	Manchester Water Works	"
				1.92	F. P. Buswell	"
				16.80	St. Anselm College	"
				3.30	S. E. Woodeson	"
				5.49	F. P. Poore	"
				1.53	Henry Chatel	"
				37.42	J. F. Nichols	"
				92.75	Manchester Supply Co.	"
				2.15	Hiram S. Hayes	"
				15.54	J. E. Hartshorn	"
				14.78	John Gault	"
				2.10	C. D. Steele & Co	"
				8.80	A. Jodoin	"
				.28	A. H. Hill	"
				13.20	Frank Olsen	"
				3.30	T. C. Cunningham	"
				7.84	County of Hillsborough	"
				1.10	F. S. Sargent	"
				98.00	Pine Grove cemetery	"
				25,643.00	Common Council	New sewers.
			$28,096.07	$28,869.94		
Balance	Common Council		773.87			
			$28,869.94	$28,869.94		

NEW SEWERS—MISCELLANEOUS WORK.

Location	Limits	Nature of Work	Pipe
Amherst	Nutfield lane	Building cesspool	$2.08
Auburn, West	At B. & M. freight house	" "	
Central, West	Bet. State and Bedford		15.14
Concord	Pine.	" manhole	
Concord	Beacon, n. w. corner	" cesspool	3.64
Elm	Monroe, n. w. corner	Making sewer connection	5·76
Forest	At No. 3.	" "	
Hanover	Lincoln, n. e. corner	Building cesspool	.13
" N. S	Bet. Maple and Lincoln	" "	2.08
Hayward	Union	" "	5.56
High, East	South	" "	2.34
Hubbard	Hanover	" "	.13
Lincoln	Bet. Hanov'r and Chester	" "	2.34
"	Amherst	" "	
Main, South	At No. 599	Making sewer connection	1.12
"	" 603	" "	1.28
"	" 559	" "	
"	" 541	" "	5.76
"	" 553	" "	1.44
"	" 619	" "	
Manhattan lane	Central	Building cesspool	
Payson	State, easterly	" manholes	3.12
"	At State east back	" cesspools	6.82
"	State, easterly	Digging up sewer	
Pearl	Union east back	Building manhole	
"	Warren	Making sewer connection	
Pennacook	Bet. Elm and Chestnut	Building manhole and cesspool	7.48
"	Chestnut, n. e. corner	" cesspool	
Pine	Sagamore, s. w. corner	" "	
Putnam		" "	3.38
River road	At Judge Peaslee's	Making sewer connection	13.64
"		Building manhole	
"	Readey	Building cesspool	
"	Park ave, n. w. corner	" "	4.52
Sagamore	Bay	" "	20.25
"	Elm east back	" "	3 90
Silver	Union	" "	4.74
Spruce, East	"	" "	.52
State		" "	51.42
Wayne	Main, n. e. corner	Making sewer connection	.91
"	" s. e. "	" "	.52
"	McGregor, s. e. corner	Building cesspool	.13
"	Martin lane, n. w. cor.	" "	3 64
		Hauling cement sold Am. Mfg. Co.	
		Repairing steam drills	
		Unloading trench boiler and engine	
		Hauling pipe city yard to fgt. house	
		Hauling pipe for public comfort	
		Unloading castings from car	
		" brick "	
		" pipe "	
		" cement "	
		Measuring lumber and mov'g sand	
			$173.79

ITEMIZED OPERATIONS.

COST DATA

Brick	Cement	Castings	C. P. Stone	Labor	City Teams	Hired Teams	S. and S.	Total Cost
$6.75	$1.90	$6.75	.....	$14.75	.....	.....	$1.61	$33.84
6.30	1.90	9.00	.....	10.94	.....	.....	1.40	29.54
.....	7.60	27.00	$13.60	126.59	.....	.....	9.49	199.42
7.20	1.90	7.10	.....	7.59	$0.87	.....	1.23	25.89
7.20	1.90	6 75	3.40	20.08	1.16	$1 68	2.29	48.10
.....	.19	.....	.....	29.00	.....	.....	1.74	36.69
.....	.19	.....	.....	7.00	.....	.....	35	7.54
5.40	1.52	5.25	.....	8.86	1.55	.....	1.13	23.84
6.30	1.52	6.75	.....	14.57	.....	.....	1 56	32.78
2.70	1.52	6.75	.....	11.01	.....	.....	1.37	28.91
9.45	2.28	12.00	6.80	23.65	1.17	1.12	2.94	61.75
1.80	.57	5.25	.....	12.35	.....	.....	1.00	21.10
.....	1.52	6.75	.....	14.75	1.16	.....	1.32	27.84
5.40	.95	5.25	.....	15.93	.....	.....	1.37	28.90
.....	.....	.....	.....	3.50	.....	.....	.23	4.85
.....	.19	.....	.....	3.75	.....	.....	.26	5.48
.....	.19	.....	.....	8.72	.....	.....	.44	9.35
.....	.19	.....	.....	10.52	.....	.....	.82	17.29
.....	.10	.....	.....	5.25	.....	.....	.33	7.12
.....	.10	.....	.....	4.01	.....	.....	.20	4.31
6.75	1.52	9.00	3.40	14.58	.....	.....	1.76	37.01
6.30	3.04	13.70	.....	29.25	4.86	.....	3.01	63.28
.....	3.04	14.00	6.80	28.16	1.55	.....	3 01	63 38
.....	.....	.....	.....	52.67	.....	.....	2.63	55.30
5.40	1.14	6.60	.....	8.83	.87	.....	1.14	23.98
.....	.....	.....	.....	.34	.39	.....	.03	.76
26.10	5.32	22.50	6.80	71.45	10.68	.....	7.51	157.84
6.30	1.33	5.25	3.40	9.90	.....	.....	1.30	27.48
7.20	1.71	6.75	3.40	17.41	.39	.....	1.84	38.70
14.85	3.42	1.50	.....	7.46	.....	.....	1.53	32.14
.....	.57	.....	.....	23.92	.....	.....	1.90	40.03
9.00	2.00	7.35	.....	21.08	.....	.....	1.97	41.40
10.80	3.04	13.50	6.80	21.00	3.66	.....	2.94	61.74
7.20	3.80	13.50	6.80	37.75	.....	.....	3.67	77.24
42.75	7.88	.....	10.20	103.94	7.42	1.75	9.70	203.89
6.75	1.90	6 75	3.40	8.25	.....	.....	1.54	32.49
13.50	3 42	10.50	6.80	15.60	1.74	.....	2.81	59.11
7.20	1.52	6.75	3.40	6.25	.....	.....	1.28	26.92
.....	28.12	86.25	44.20	242.04	19.48	7.50	23.95	502.96
.09	.19	.....	.....	12.26	.....	.....	.67	14.12
.....	.19	.....	.....	5.26	.....	.....	.29	6.26
8.10	2.28	6.75	3.40	10.50	.....	.....	1.55	32.71
7.65	2.09	9.00	3.40	.....	.....	.....	1.28	27.06
.....	.....	.....	.....	.....	11.97	.....	.59	12.56
.....	.....	.....	.....	1.67	.....	.....	.08	1.75
.....	.....	.....	.....	.89	.....	.....	.04	.93
.....	.....	.....	.....	.90	.....	1.00	.09	1.99
.....	.....	.....	.....	4.00	4.17	.....	.40	8.57
.....	.....	.....	.....	5.26	7.64	.....	.64	13.54
.....	.....	.....	.....	18.66	.....	.....	.93	19.59
.....	.....	.....	.....	40.72	2.50	.....	2.16	45.38
.....	.....	.....	.....	29.31	12.14	6.67	2.40	50.52
.....	.....	.....	.....	2.22	1.75	.....	.19	4.16
$244.44	$103.75	$344.25	$136.00	$1,204.35	$97.12	$19.72	$115.91	$2,439.33

APPROPRIATION FOR NEW SEWERS.

Percentage Report.

	Classified Expenditures.		Percent of Total Expenditures
Brick		$839.99	.030
Castings		789.77	.028
Cement		256.50	.009
Claims		73.00	.003
Contracts		2,547.53	.091
Explosives		412.37	.015
Freight		663.06	.023
Fuel		24.73	.001
Insurance		200.00	.007
Lights		20.63	.001
Lumber		861.52	.030
Payroll, Division 2	$9,534.77		
7	987.36		
10	4,546.02		
		15,068.15	.537
Pipe		5,951.45	.211
Repairs		68.23	.003
Sand		93.10	.003
Supplies		189.98	.007
Tools		36.06	.001
			1.000
Total expenditures		$28,096.07	
Appropriation			$25,643.00
Receipts			3,226.94
Balance		773.87	
		$28,869.94	$28,869.94

APPROPRIATION FOR REPAIRS OF SEWERS.

Financial Statement.

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Brick	W. F. Head & Son	.....	$180.51	$147.00	.....	Manchester St. Ry	Castings.
Castings	Concord Fdry. & Mach. Co.	.....	1,268.05		$2.32	Charles Rowell	Labor and material.
Catch-basin curbing	Evariste Dionne	.....	68.00		3 78	Edmond Pinard	" "
Freight	Boston & Maine R. R.	$19 20			7.38	Grace E. Magoon	" "
	American Locomotive Co.	7.74			2.19	Thomas Bolton	" "
			26.94		1.19	J. R. Laflamme	" "
Insurance	Putnam & Laflamme	.....	100.00		4 39	Richards & Thornton	" "
Payroll	Division No. 2	$2,805.35			3.45	Charles H. Simpson	" "
	" 7	324.04			79.19	Manchester St. Ry	" "
	" 10	1,119.20			2.90	N. E. T. & T. Co.	" "
			4,248.59		5.89	C. F. McDonald	" "
Rep. to equipment	American Locomotive Co.	$110.50			2.30	W. J. Freeman	" "
	Harold L. Bond Co.	136.34			2.66	American Locomotive Co.	" "
	S. P. Dodge Co	12.20			22.81	Knights of Columbus	" "
			259.04		1.80	Chester L. Sullivan	" "
Supplies	G. W. Dodge Shoe Co.	$17.00				N. E. T. & T. Co. (one-half cost of repairing and relaying sewer in Concord St., Pine St. easterly)	
	Pike & Heald Co.	21.13					
	John B. Varick Co.	21.52					
			59.65		59.13		
				201.38			
				6.00	.....	J. W. Wilbur Land Co.	Rent of tools.
				5,000.00	.....	Common Council	Repairs of sewers.
			$6,210.78	$5,354.38			
				856.40	.....	Common Council	Overdraft.
			$6,210.78	$6,210.78			

APPROPRIATIONS FOR REPAIRS OF SEWERS.

Itemized Operations.

Location.	Limits.	Nature of Work.	Cost Data.							
			Akron pipe.	Brick.	Cement.	C. P. stones.	Castings.	Labor.	Teams.	Total cost.
Agawam		Repairing lamphole						$0.83		$0.83
"	Davis	Pumping out cellar						.88	$0.78	1.66
Amherst	Nutfield lane	Repairing sewer con						3.51	.88	4.39
"	At No. 301	Flushing out sewer						1.66	.88	2.54
"	Lincoln	Repairing cesspool		$2.70	$0.38		$5.25	4.14		12.47
Ash east back	Bet. Lowell and Bridge	" "							1.16	1.16
Bartlett		Flushing out sewer						7.73		7.73
Bay		Repairing sewer	$1.82					6.11		7.93
"		Flushing out sewer	1.82		.19			15.18	2.19	19.38
Beacon	At No. 699	" "						4.37	1.75	6.12
"	Concord	" "						3.67	.95	4.62
"	East Spruce	Repairing cesspool		.90	.38	$3.40	5.25	9.25		19.18
Beech	Hanover N. E. corner	" "		.90	.19			2.20		3.29
"	Between E. Spruce and Lake avenue	" "		.90	.10		6.60	4.55		12.15
Bell		Making sewer con						.68	.58	1.26
Belmont	Concord, S. E. corner	Repairing cesspool		2.25	.57		5.25	7.25		15.32
Birch	At No. 49	Pumping out cellar						1.19	.88	2.07
Bridge	Union, N. E. corner	Flushing out C. P. rear of block						1.63		1.63
Brown avenue	At No. 80	Flushing out sewer con						1.02	.78	1.80
Canal		" "						20.54	1.95	22.49
"	Middle and West Merrimack	Raising two manholes		4.95	.95			11.87		17.77
Central	Manhattan lane	Building bulk-head						2.64		2.64
Central S. B.	Bet. Beech and Maple	Making sewer con						.62		.62
"	Union, westerly	Relaying sewer (see new s'wrs)	10.73	.45	.48		3.00	26.36		41.02
"	Bet. Pine and Union	Repairing cesspool		.36	.19			3.45		4.00
Chester	Lincoln	" "		.27	.38		10.50	5.14		16.29
Chestnut		Repairing and digging up sewer						5.84		5.84
Concord	Pine	Repairing, flushing and relaying sewer (see new sewers)	21.46	9.00	1.90		12.75	86.27	2.62	134.00
"	Pine	Repairing, flushing and relaying sewer						1.19		1.19
Elm	Orange, S. E. corner	Repairing and cleaning C. P.						6.43	.45	6.88

"	Amherst, S. E. corner	Cleaning and flushing C. P.						.63		.63
"		Pumping out cellar and repairing connection						1.32	.78	2.10
"	Orange	Repairing 3 C. P. rear of block		4.95	1.52		12.00	18.05		36.52
"		Stopping up old C. P. con			.10			1.80		1.90
"	Prospect, N. E. corner	Repairing cesspool	1.82	.45	.30		1.50	9.50	2.14	15.71
"	At Smyth's block	" "							.39	.39
" east back	Between Prospect and Harrison	Repairing lamphole					6.00	3.76		9.76
" "	Rear W. M. Parker's	Repairing sewer						2.13	1.75	3.88
" "	Bet. Merrill and Valley	Flushing out sewer						6.25	3.50	9.75
" "	Bet. Hayward and Merrill	Repairing sewer	.52	.11	.19			7.16		7.98
" "	Pennacook	Lowering manhole and raising water gate		.20	.10			1.05		1.35
Granite	Elm, S. W. corner	Flushing out sewer	.78					19.21		19.99
Hall	At No. 769	" "						1.82	.78	2.60
"	Lake avenue	Building cement foundation						46.97	6.12	53.09
"		Digging trench for sewer con.						4.36		4.36
"	Lake avenue	Repairing manhole		.45	.19			1.44		2.08
Hampshire lane	Granite	Repairing sewer						6.90		6.90
Hanover S. S.	At I. O. O. F. block	Repairing cesspool		.27	.57	3.40	5.25	3.55		13.04
Hanover		Flushing out cesspool						20.76	2.05	22.81
High, East	At No. 280	Flushing out sewer						1.77	1.56	3.33
Highland P'rk av.		Pumping out cellar						1.32		1.32
Joliette		Flushing sewer connection						5.98	2.78	8.76
Lake ave.		Pumping out well						1.66		1.66
"	Near Belmont	Repairing cesspool for Manchester St. Ry		1.80	.38			3.28		5.46
"	Rear of Nos. 24 and 26	Repairing sewer						1.98		1.98
"	Bet. Hall and Belmont	Making sewer connection						.78		.78
" S. S.	Bet. Hall and Belmont	Repairing cesspool			.38	3.40	5.25			9.03
" N. S.	Bet. Wilson and Hall	" "		1.80	.38		10.50	5.89		18.57
" S. B.		" "						4.39		4.39
Laurel avenue		Flushing out sewer con.						1.42	.88	2.30
Laurel S. B.	Maple, easterly	Repairing cesspool						5.73		5.73
"	Bet. Maple and Lincoln	" "	1.04	.11	.19			5.73	.78	7.85
Lincoln W. S.	Bet. Cedar and E. Spruce	" "		.90	.38		5.25	7.11		13.64
Lowell	Malvern	" "						1.06	2.23	3.29
"	"	Pumping out cellar						.88	.88	1.76
Main,	At No. 382	Flushing out sewer						.94	1.25	2.19
		Repairing cesspool		.36	.19			1.87		2.42
Main, South	Clinton	" "		1.35	.57		1.50	7.46		10.88
"	At No. 609	Making sewer connection			.19			4.88		5.07
"	At the bridge	Putting trap on sewer outlet						15.23	5.18	20.41
Manchester	At No. 196	Pumping out cellar						1.16	1.17	2.33
Maple	Bet. Concord and Lowell	Repairing cesspool					6.60	1.71		8.31
Merrill		Flushing and repairing sewer	.26	.11	.19			14.16	1.56	16.28

APPROPRIATION FOR REPAIRS OF SEWERS.—*Continued.*

Location.	Limits.	Nature of Work.	Cost Data.							
			Akron pipe.	Brick.	Cement.	C. P. stones.	Castings.	Labor.	Teams.	Total cost.
Merrimack		Pumping out cellar						$1.54	$1.17	$2.71
" S. B.		Repairing sewer							.97	.97
Milford		Flushing out sewer						1.44	.88	2.32
Monadnock lane	Beech, westerly	Repairing cesspool		$0.45	$0.10		$7.50	2.50	1.95	12.50
Monroe		" "		.27	.10		5.25	1.12		6 74
Myrtle	Belmont	Flushing out sewer						2.13	1.75	3.88
Notre Dame ave.	Schuyler	Repairing cesspool		.45	.19		5.25	1.87		7.76
Orange	At No. 20	Pumping out cellar						1.18	.88	2.06
Pearl	Rear No. 101	Thawing out cesspool						2.53	1.25	3.78
"	Warren	Making sewer connections						1.05		1.05
Pine	At No. 419	Flushing out sewer						.50	.88	1.38
"	Concord	" "						7.13		7.13
"	Merrimack	" "						3.63		3.63
"	E. side Concord common	Repairing cement sewer	$1.56		.10			25.33	.87	27.86
"	At No. 235	Flushing out sewer con.						.51	1.94	2.45
"	Spruce, East	Cleaning cesspool		.90	.10		6.60			7.60
River road		Raising 4 manholes		3.60	.95			7.14		11.69
Sagamore	At No. 298	Thawing out sewer con.						4.88	2.50	7.38
Second	At No. 140	Flushing out sewer						3.17	1.11	4.28
Silver	Union	Making sewer con.			.19			4.22	.39	4.80
"	Union southeast corner	Flushing and putting in con.						8.77	1.56	10.33
Spruce, East		Flushing out sewer						1.17	.88	2.06
"	At No. 574	Making sewer connection						12.26		12.26
"	Bet. Massabesic and Belmont	Putting in overflow sewer (see New Sewers)	93.08		1.14			58.52	5.00	157.74
"	At No. 131	Flushing out sewer con.						1.41	.78	2.19
"	Belmont	Repairing cesspool		1.80	.76		1.50	9.34		13.40
"	Maple	Repairing 3 cesspools		5.31	1.33	$10.20	10.50	3.50		30.84
Third	Bath, northerly	Repairing sewer (see new s'wrs)	11.70	.45	.57			23.67		36.39
Union	Central	Pumping out cellar						.88		.88
Valley	Belmont, westerly	Repairing sewer						44.64		44.64
Walnut	At No. 76	Flushing out sewer						4.75	3.50	8.25
"	Pearl	" "						1.19	.88	2.07
"	At No. 73	Pumping out cellar						6.25	3.50	9.75
"	Pearl	Flushing out sewer						6.02	1.75	7.77
Wayne	McGregor to Main	Repairing sewer (see new sw'rs)	90.91	21.60	8.74		18.75	372.49		512.49

	Unloading castings at city yard	.....	.....	.....	.....	.....	4.33	3.50	7.83
	Unloading brick at city yard	.....	.....	.....	.....	.....	2.68	.....	2.68
	Thawing out underground conduits	.....	.....	.....	.....	.....	15.26	13.75	29.01
	Pumping out cellar	.....	.....	.....	.....	.....	1.13	.....	1.13
	Laying brick wall	.....	.....	.....	.....	.....	9.38	2.50	11.88
	Hauling castings from city yard to freight depot	.....	.....	.....	.....	.....	.....	.39	.39
	Putting in sewer connection	8.88	.....	.38	.....	.....	16.16	.....	25.42
	Flushing sewer rear of New City Hotel	.....	.....	.....	.....	.....	1.63	.88	2.51
	Painting and working on J. Hosley boiler	.....	.....	.....	.....	.....	7.58	.....	7.58
At Bobbin Shop	Repairing sewer	.....	.....	.....	.....	.....	5.60	.....	5.60
	Flushing sewer con	.....	.....	.....	.....	.....	2.64	1.76	4.40
	" "	.13	.....	.....	.....	.....	3.23	2.22	5.58
	Painting hydrant hose	.....	.....	.....	.....	.....	12.45	.....	12.45
	Work on sewer trap	.....	.....	.....	.....	.....	.42	.....	.42
	Hauling steam hose from freight house	.....	.....	.....	.....	.....	.....	.39	.39
Division No. 2	Cleaning and thawing out C. P.	.....	.....	.....	.....	.....	1,030.53	407.82	1,438.35
" 7	" " "	.....	.....	.....	.....	.....	644.71	135.30	780.01
" 10	" " "	.....	.....	.....	.....	.....	361.38	120.74	482.12
		$246.51	$70.38	$26.18	$20.40	$157.80	$3,245.09	$775.27	$4,541.63

APPROPRIATIONS FOR REPAIRS OF SEWERS.

Percentage Report.

	Classified Expenditures.		Percent of Total Expenditures,
Brick		$180.51	.029
Castings		1,268.05	.204
Curbing C. P.		68.00	.011
Freight		26.94	.004
Insurance		100.00	.016
Payroll, Division 2	$2,805.35		
7	324.04		
10	1,119.20		
		4,248.59	.684
Repairs		259.04	.042
Supplies		59.65	.010
Total expenditures		$6,210.78	1,000.00
Appropriation			$5,000.00
Receipts			354.38
Overdraft			856.40
		$6,210.78	$6,210.78

STREET CLEANING DEPARTMENT

SNOW AND ICE AND CLEANING STREETS, STREET SWEEPING, AND SCAVENGER SERVICE

APPROPRIATION FOR SNOW AND ICE AND CLEANING STREETS.

Financial Statement

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Cash paid for labor	Alphonse Laberge		$177.76	$4.75	James E. Dodge	Fence posts and sand.
Labor of team	Charles Boisclair	$20.00		2.12	Clarence H. Durgin	Labor cleaning off sidewalk.
	C. B. Danforth	7.50		16.93	School board	Labor delivering sand to schools.
	James Ried	34.25				
	Joseph St. Germain	20.00		33.32	School board	Labor removing snow and ashes from schools.
			81.75			
Payroll	Division No. 2	$11,211.54		64.03	James E. Dodge Agt.	Labor removing snow rear of Mirror building.
	4	63.38				
	5	62.12		95.84	Manchester St. Ry.	Labor removing snow from beside tracks.
	7	550.87				
	9	92.74		29.01	N. E. T. & T. Co.	Thawing out conduits.
	10	3,391.46		10.15	Manchester St. Ry.	Thawing out cesspool.
			15,372.11	.92	Pariseau&Deschenes	Thawing out pipe.
Repairs to equipment	Amoskeag Mfg. Co.		4.33	15,000.00	Common council	Snow and ice and cleaning streets.
Salt	Charles Francis	$1.20				
	Henry W. Parker	8.64				
			9.84			
Sand	Robie Cons. Con. Co.		32.50			
Tools	H. Thompson	$33.00				
	J. B. Varick Co.	25.94				
			58.94			
			$15,737.23	$15,257.07		
				480.16	Common council	Overdraft.
			$15,737.23	$15,737.23		

APPROPRIATION FOR SNOW AND ICE AND CLEANING STREETS.

Itemized Operations.

Nature of Work.	Labor.	Teams.	Total Cost.
Breaking out sidewalks and gutters	$123.17	$258.75	$381.92
Cleaning snow from crossings	35.25	18.50	53.75
Delivering sand at schoolhouses	.....	2.63	2.63
Delivering sand to H. L Additon's house	.....	.88	.88
Filling sand sheds	155.86	227.00	382.86
Picking up ice in gutters	131.03	7.25	138.28
Plowing up gutters and cleaning crossings	897.68	282.50	1,180.18
Removing snow beside tracks	70.34	25.50	95.84
Removing snow in rear Mirror block	7.88	7.50	15.38
Removing snow from streets	55.19	36.11	91.30
Repairing scraper and push brooms	1.94	.....	1.94
Running extension plows on school yard walks	17.38	10.00	27.38
Sanding sidewalks	100.48	41.25	141.73
Scraping streets and cleaning out gutters	2,150.41	1,107.22	3,257.63
Snow plowing	72.57	294.50	367.07
Snowing crossings	35.25	18.50	53.75
Storing away plows and sleds	4.14	9.26	13.40
Sweeping streets and gutters (patrol teams)	6,366.49	2,599.69	8,966.18
Thawing out cesspools	139.34	59.75	199.09
Thawing out pipe for Mr. Deschenes	.65	.27	.92
	$10,365.05	$5,007.06	$15,372.11

APPROPRIATION FOR SNOW AND ICE AND CLEANING STREETS.

Percentage Report.

	Classified Expenditures.		Percent of Total Expenditures.
Contracts	.....	$259.51	.016
Payroll, Division 2	$11,211.54		
4	63.38		
5	62.12		
7	556.87		
9	92.74		
10	3,391.46		
		15,372.11	.977
Repairs	.....	4.33	.0002
Sand	.....	32.50	.002
Supplies	.....	9.84	.0006
Tools	.....	58.94	.0042
Total expenditures	.....	$15,737.23	1,000.00
Appropriation	.....	.....	$15,000.00
Credits	.....	.....	257.07
Overdraft	.....	.....	480.23
		$15,737.23	$15,737.23

APPROPRIATION FOR STREET SWEEPING.

Financial Statement.

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Claim	E. C. Bresnahan		$ 11.05	$8,000.00		Common Council	Street sweeping
Freight	Boston & Maine R. R.	$3.27		11.30		M. T. L. & P. Co	Broken stone
	H. Thompson	6.75		3.00		J. J. Connor	Cement
			10.02		$2,875.33	Manchester Street Railway.	Labor and material
New Equipment	A. B. Black R'd Mach. Co.	$581.00			.36	M. T. L. & P. Co	" "
	H. Thompson	123.00			19.27	Manchester Water Works	" "
			704.00		19.51	N. E. T. & T. Co.	" "
Payroll	Division No. 2	$9,158.87		2,914.47			
	" " 10	585.01					
			9,743.88				
Repairs to equipment	Drew Mach. Company	$3.00					
	Studebaker Bros. Co.	10.50					
	H. Thompson	432.00					
			445.50				
Supplies	J. B. Varick Co.	$1.50	1.50				
			$10,915.95	$10,928.77			
Balance	Common Council		12.82				
			$10,928.77	$10,928.77			

APPROPRIATION FOR STREET SWEEPING.

Itemized Operations.

(Hand-sweeping with pick-up carts.)

Route No. 1.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Orange s. s. to Pearl s. s.	1,096	....	1,367
Pearl s. s. to Bridge n. s.	954	....	1,131
Bridge n. s. to Bridge s. s.	600	....	....
Bridge:			
Elm e. s. to Church w. s.	....	533	....
	2,650	533	2,498

Total square yards, 5,681.

Route No. 2.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Bridge s. s. to Lowell s. s.	3,311	....	....
Lowell s. s. to Concord s. s.	2,448	....	42
	5,759	....	42

Total square yards, 5,801.

Route No. 3.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Concord s. s. to Amherst s. s.	2,622	....	....
Amherst s. s. to Stark n. s.	472	....	....
Concord:			
Elm e. s. to Vine e. s.	67	....	716
Vine:			
Concord s. s. to Amherst s. s.	....	....	1,615
Amherst:			
Elm e. s. to Vine e. s.	....	....	782
Nutfield lane:			
Amherst s. s. to Hanover n. s.	....	....	425
	3,161	....	3,538

Total square yards, 6,699.

ROUTE No. 4.

	Granite paving blocks, cement joints.	Wood paving blocks.	Tar concrete.
Elm:			
Stark n. s. to Hanover s. s.	1,999	....	53
Hanover s. s. to Market s. s.	435	....	....
Market:			
Elm w. s. to Franklin w. s.	....	1,020	....
Hanover:			
Elm e. s. to Chestnut w. s.	367	....	1,564
	2,801	1,020	1,617

Total square yards, 5,438.

ROUTE No. 5.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Market s. s. to Manchester s. s.	1,658	....	....
Manchester:			
Elm e. s. to Chestnut w. s.	858	....	1,073
Elm:			
Manchester s. s. to Merrimack s. s.	2,342	....	106
	4,858	....	1,179

Total square yards, 6,037.

ROUTE No. 6.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Merrimack n. s., 25′ n. Central n. s.	3,222	....	....
Central:			
Elm e. s. to Chestnut w. s.	864	....	1,052
West Merrimack:			
Elm w. s. to Franklin w. s.	66	....	1,052
	4,152	....	2,104

Total square yards, 6,256.

ROUTE No. 7.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
25′ n. of Central n. s. to 85′ s. of Lake ave.	3,538	....	....
Lake avenue:			
Elm e. s. to Chestnut w. s.	851	....	1,096
Depot:			
Elm w. s. to Hampshire lane e. s.	....	370	....
	4,389	370	1,096

Total square yards, 5,855.

ROUTE No. 8.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Auburn s. s. to Cedar s. s.	2,146	....	....
Cedar s. s. to Spruce s. s.	2,146	....	....
Spruce s. s. to 85′ south of Lake ave. s. s.	1,469	....	....
	5,761	....	....

Total square yards, 5,761.

ROUTE No. 9.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Merrimack:			
Elm e. s. to Chestnut w. s.	..	....	2,153
Chestnut:			
Merrimack s. s. to Manchester s. s.	..	....	1,084
Manchester s. s. to Hanover s. s.	42	....	956
Hanover s. s. to Amherst s. s.	..	....	951
Amherst s. s. to Concord s. s.	..	....	978
Concord s. s. to Lowell s. s.	..	167	915
	42	167	7,037

Total square yards, 7,246.

ROUTE NO. 10.

	Granite paving blocks, sand joints.	Tar concrete.
Manhattan lane:		
Central s. s. to Central s. b.—n. s.	....	159
Central s. b. to Lake avenue n. s.	188	....
Lake avenue s. s. to Spruce s. s.	347	....
Spruce s. s. to Spruce s. b.—s. s.	186	....
Hampshire lane:		
Cedar n. s. to Granite s. s.	411	....
Granite s. s. to Depot s. s.	298	....
Depot s. s. to West Central s. s.	375	....
West Central n. s. to Pleasant s. s.	298	....
Pleasant n. s. to West Merrimack s. s.	298	....
	2,401	159

Total square yards, 2,560.

ROUTE NO. 11.

	Granite paving blocks, sand joints.	Tar concrete.
Hampshire lane:		
West Merrimack n. s. to Market s. s.	596	149
Market n. s. to Stark s. s.	....	331
Stark n. s. to Mechanic s. s.	298	....
Mechanic s. s. to Water s. s.	224	....
Nutfield lane:		
Concord n. s. to Lowell s. s.	425	....
Church:		
Lowell n. s. to Bridge s. s.	720	....
Washington:		
Elm e. s. to Church w. s.	520	....
North Church:		
Bridge n. s. to Pearl s. b.—n. s.	218	....
	3,001	480

Total square yards, 3,481.

ROUTE NO. 12.

	Granite paving blocks, sand joints.
Monadnock lane:	
Nutfield lane e. s. to Pine w. s.	1,182
Nutfield lane:	
Monadnock lane s. s. to Manchester s. s.	187
Manchester n. s. to Hanover s. s.	347
Londonderry lane:	
Nutfield lane e. s. to Chestnut w. s.	700
Derryfield lane:	
Nutfield lane e. s. to Chestnut w. s.	200
Nutfield lane:	
Amherst n. s. to Concord s. s.	467
	3,083

Total square yards, 3,083.

ROUTE NO. 13.

	Granite paving blocks, cement joints.	Tar concrete.
Lake avenue:		
Chestnut w. s. to Pine w. s.	505	768
Pine:		
Spruce s. s. to Lake avenue s. s.	396	537
Lake avenue s. s. to Central s. s.	374	657
Union:		
Lake avenue s. s. to Central s. s.	...	998
Central s. s. to Laurel s. s.	...	871
	1,275	3,831

Total square yards, 5,106.

ROUTE NO. 14.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Union:			
Laurel s. s. to Merrimack s. s.	120	...	884
Hanover s. s. to Amherst s. s.	...	213	1,123
Amherst s. s. to Concord s. s.	...	226	1,186
Concord s. s. to Lowell s. s.	...	212	1,135
Amherst:			
Union e. s. to Beech w. s.	...	303	1,042
	120	954	5,370

Total square yards, 6,444.

ROUTE NO. 15.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.
Granite:		
Granite bridge	2,098	....
Side track to B. & M. track	1,042	....
B. & M. track to mill gate	1,822	....
Mill gate to east end of bridge	....	1,458
	4,962	1,458

Total square yards, 6,420.

ROUTE NO. 16.

	Granite paving blocks, sand joints.	Tar concrete.
Granite:		
Turner w. s. to South Main e. s.	....	3,811
Bridge west end to Turner w. s.	667	....
Main:		
Granite n. s. to Douglas n. b. n. s. (E. S.)	1,477	....
	2,144	3,811

Total square yards, 5,965.

ROUTE NO. 17.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
South Main:			
Granite n. s. to School n. s.	....	....	1,000
School n. s. to Ferry n. s.	....	....	955
Ferry n. s. to Walker n. s.	....	....	935
Walker n. s. to M. & N. W. R. R.	....	....	800
M. & N. W. R. R. to s. s. bridge	....	1,227	....
S. s. bridge to Log s. s. (Hassam pavement)	1,070	....	....
Mast:			
South Main w. s. to 150′ west (Hassam pavement)	566	....	....
	1,636	1,227	3,690

Total square yards, 6,553.

ROUTE No. 18.

	Tar macadam.	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Main:				
Putnam n. s. to Wayne n. s.....	....	...	...	2,138
Wayne n. s. to Marion n. s.....	....	...	249	839
Marion n. s. to Amory s. s.....	....	...	262	222
Marion:				
Main e. s. to McGregor w. s.....	....	212	...	1,045
Notre Dame avenue:				
Wayne n. c. to Amory s. c.....	....	333	...	1,400
Putnam n. c. to Wayne n. c.....	1,580	334	...	....
	1,580	879	511	5,644

Total square yards, 8,614.

ROUTE No. 19.

	Tar concrete.	Wood blocks.	Gutters.
West Bridge street:			
Canal to McGregor bridge.....	1,389	....	...
McGregor bridge.....	....	2,781	...
West end bridge to McGregor.....	....	....	260
Amory:			
McGregor e. s. to Main e. s.....	....	....	380
McGregor, at Wayne	150	....	...
	1,539	2,781	640

Total square yards, 4,960.

ROUTE No. 20.

	Granite paving blocks, cement joints.	Granite paving blocks (old), sand joints.	Tar concrete.
Elm:			
Orange n. c. to Prospect n. s.....	2,176	....	2,513
Prospect n. s. to Langdon n. s.....	318	1,950	1,019
	2,494	1,950	3,532

Total square yards, 7,976.

ROUTE No. 21.

	Wood blocks.	Granite paving blocks, cement joints.	Granite paving blocks (old), sand joints.	Tar concrete.
Hanover:				
Chestnut e. s. to Pine w. s.	....	207	....	827
Pine w. s. to Union w. s.	1,962	...	...	....
Union w. s. to Beech e. s.	....	...	377	1,597
	1,962	207	377	2,424

Total square yards, 4,970.

ROUTE No. 22.

	Granite paving blocks (old), sand joints.	Tar concrete.
Merrimack:		
Beech e. s. to Maple w. s.	406	2,033
Maple:		
Lake avenue s. s. to Central s. s.	228	869
Central s. s. to Laurel s. s.	120	811
Laurel s. s. to Merrimack n. s.	120	1,044
	874	4,757

Total square yards, 5,631.

ROUTE No. 23.

	Granite paving blocks, cement joints.	Granite paving blocks (old), sand joints.	Granite paving blocks (new), sand joints.
Elm:			
Auburn s. s. 925′ southerly	4,441	2,546	...
West Auburn:			
Elm w. s. to B. & M. sidetrack in Franklin street	....	....	875
	4,441	2,546	875

Total square yards, 7,862.
Total miles paved streets, 6,379.

	Square yards.
Granite block pavement (cement joints)	47,966
Granite block pavement (sand joints)	20,347
Granite block pavement, old (sand joints)	11,207
Tar concrete	54,348
Hassam pavement	1,636
Wood block pavement	3,801
	139,305
(*a*) Wood block pavement (anticipated) in Route 21	1,962
(*b*) Tar macadam (to be swept) in Route 18	1,580
Total area paved streets (including *a* and *b*)	142,389
Area covered by 23 routes (including *a* and *b*)	134,389

MACHINE SWEEPING.

Sweeping 142,389 square yards paved streets from May until end of season (about 24,000 square yards swept, picked up and dumped each night)	$3,233.06

SUMMARY.

Nature of Work.	Location.	Cost.
Sweeping with pick-up carts	Routes 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 15, 16, 17, 18, 20, and parts of 10, 13, and 21	$6,510.82
Machine sweeping	Routes 1 to 23 inclusive	3,233.06
		$9,743.88

APPROPRIATIONS FOR STREET SWEEPING.

PERCENTAGE REPORT.

	Classified Expenditures.		Percent of Total Expenditures.
Claims		$ 11.05	.001
Equipment		704.00	.064
Freight		10.02	.001
Payroll, Division No. 2	$9,158.87		
10	585.01		
		9,743.88	.892
Repairs		445.50	.041
Supplies		1.50	.001
Total expenditures		$10,915.95	1,000.00
Appropriation			$8,000.00
Credits			2,928.77
Balance		12.82	
		$10,928.77	$10,928.77

APPROPRIATION FOR SCAVENGER SERVICE.

Financial Statement.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Freight	Boston & Maine railroad		$2.20	$30,000.00	Common Council	Scavenger Service
Gasoline	Standard Oil Co		109.53			
Insurance	John A. Sheehan		148.75			
Licenses—truck & chauffeur	E. N. Pearson, Sec. of State N. H.		15.00			
Lubricant	Vacuum Oil Co		96.48			
Lumber	Amoskeag Manufacturing Co		1.40			
New equipment	William C. Spear		4,400.00			
Paint	Detroit Graphite Co		18.00			
Payroll	Division No. 2	$16,971.18				
	" " 7	1,412.18				
	" " 10	2,427.20				
			20,810.56			
Printing	J. Arthur Williams		11.25			
Repairs to equipment	Amoskeag Manufacturing Co	$0.80				
	Manchester Auto Garage	37.80				
	Peerless Motor Car Co	3.00				
	Sanborn Carriage Co	3.00				
	William C. Spear	6.83				
			51.43			
Salary of Inspector	Levi J. Proctor		999.96			
Scavenger contract	Mrs. W. H. Bickford, Admx		1,922.64			
Supplies	J. B. Varick Co		13.64			
Tools	"		32.59			
Traveling expenses	Paul Claus		7.25			
Wagon repairing	The S. P. Dodge Co		10.50			
			$28,651.18			
Balance	Common Council		1,348.82	$30,000.00		
			$30,000.00	$30,000.00		

APPROPRIATION FOR SCAVENGER SERVICE.

Itemized Operations.

COLLECTION.

Routes.	Boundaries.
No. 1.	Harrison, Elm, West Salmon, River road, Rowell, Union, Webster, Union east back.
No. 2.	Orange, Elm, Harrison, Union east back, Webster, Walnut east back.
No. 3.	Orange, Walnut east back, Webster, Beech east back, Sagamore, Linden.
No. 4.	Bridge, Beech, Orange, Belmont.
No. 5.	Concord, Nashua, Bridge, Mammoth road.
No. 6.	Nashua, Ash, Bridge.
No. 7.	Concord, Union, Bridge, Ash.
No. 8.	Concord, Chestnut, Orange, Beech, Bridge, Union.
No. 9.	Concord, Elm, Orange, Chestnut.
No. 10.	Beech, Concord, Mammoth road, Hanover, Hall, Manchester.
No. 11.	Manchester, Union, Concord, Beech.
No. 12.	Manchester, Elm, Concord, Chestnut (now included in Route 23).
No. 13.	Hall, Hanover, Merrimack, Cass, Lake avenue.
No. 14.	Beech, Manchester, Hall, Lake avenue, Wilson, Lake avenue south back.
No. 15.	Manchester, Beech, Laurel, Chestnut, Merrimack, Elm.
No. 16.	Lake avenue, Elm, Central, Chestnut, Laurel, Beech.
No. 17.	Lake avenue south back, Beech, Wilson, Spruce south back, Lincoln, Cedar south back, Maple, Auburn south back.
No. 18.	Lake avenue, Beech, Auburn, Elm.
No. 19.	Pine, Auburn, Beech, Bell, Calef road, Baker, Brown avenue, Elm, Auburn, Willow, Valley, Pine, Hayward.
Nos. 20 & 21.	Elm to corporation district from Auburn to Langdon.
No. 22.	Chestnut, Concord, Union, Manchester.
No. 23.	Elm from Merrimack common to Orange, including Route No. 12 and part of Route No. 9.
No. 31.	Piscataquog river, Merrimack river, south of Harvell, Second, Woodbury, South Main.
No. 32.	South Main to south of Harvell, Donald, Milford.
No. 33.	Milford, Sylvester, Avon, Charleston avenue, Mast to Brock, Mast road, South Main.
No. 34.	Turner, 'Squog river, School, South Main.
No. 35.	Turner, School, both sides of Main to 'Squog river, 'Squog river to Conant, and Granite.
No. 36.	'Squog river, Granite, and South Main.
No. 37.	Granite, Railroad, Conant, and Main.
No. 38.	Railroad, Conant, Notre Dame avenue, Adams, Gates, Blucher, and the whole of Whittemore Flats.

No. 39. Conant, Notre Dame avenue, Sullivan, Cartier, Kelley, Coolidge avenue, Amory, and Main.
No. 40. Main, Amory, and McGregor.
No. 41. McGregor, Amory, and Main, north of Amory.
No. 42. Cartier, Amory, and Columbus avenue.
No. 43. Cartier, Kelley, Montgomery, and Amory.
No. 44. Coolidge avenue, Mason, Montgomery, and Kelley.
No. 45. Montgomery, westerly to Kimball and the residential section south of Amory and north of Kelley.
No. 46. Includes the residential section of Amoskeag.
No. 47. Valley, Wilson, Cilley road, Pine, and Willow.
No. 48. Wilson, Taylor, Valley, and Cilley road.
No. 49. Wilson, Spruce, Massabesic, Belmont, Summer, Dearborn, Taylor, and Valley.
No. 50. Wilson, Lake avenue, Belmont, Massabesic, and Spruce.
No. 51. Belmont, Summer, Dearborn, Taylor, Massabesic, Hall road, and Lake avenue.
No. 52. Taylor, Massabesic, Mammoth road, Young, Somerville, Jewett, and Cilley road.
No. 53. Hall road, Lake avenue, Mammoth road, Portsmouth railroad, Page, Candia road, and Massabesic.

COLLECTION.

(Days and Routes Collected.)

	Mondays	Tuesdays	Wednesdays	Thursdays	Fridays	Saturdays
WW	1	2	3	1	2	3
WW	4	6 & 8	9	5	6 & 8	9
WW	10	11	6 & 8	10	11	6 & 8
WW	13	14	17	17	13	19
LW	23	23	23	23	23	23
WW	20 & 21	20 & 21	20 & 21	20 & 21	20 & 21	20 & 21
WW	18	16	18	16	18	16
WW	1	15	3	15	2	15
WW	40 & 39	40 & 42	40, 44 & 46	40 & 45	40 & 41	40 & 43
SW	34 & 38	35 & 36	32 & 33	37 & 38	31 & 35	34 & 35
LW	52	47 & 50	51	48 & 50	53	49 & 50

WW—Watson wagon.
LW—Long sideboard wagon.
SW—Single wagon.
PT—Peerless truck used on routes 1, 2, 3, and others.

The Watson wagons (5-yard) have decreased the cost of collection and hauling in the ratio of five to two per cubic yard.

Following is a schedule, setting forth the route, cost of labor, cost of teams, total cost, number of loads and cubic yards collected during 1911.

SUMMARY OF SCAVENGER WORK FOR FIFTY-TWO WEEKS ENDING DECEMBER 16, 1911.

Route	Labor	Teams	Total cost	Loads	Cubic yds.
1	$842.17	$368.69	$1,210.86	601.75	3,307.74
2	558.89	237.21	796.10	413.25	2,242.86
3	560.85	240.89	801.74	360.5	1,999.49
4	288.22	117.04	405.26	197.5	1,051.50
5	300.93	123.00	423.93	202.5	1,102.00
6 & 8	837.26	330.13	1,167.39	601.75	3,002.08
9	533.62	218.09	751.71	339	1,822.00
10	554.97	217.25	772.22	358	1,832.00
11	53.70	20.09	73.79	42	216.00
13	584.52	228.59	813.11	383	1,876.28
14	286.03	111.75	397.78	190	936.40
15	571.09	220.91	792.00	374	1,924.00
16	917.11	349.98	1,267.09	563.5	2,871.95
17	608.96	238.32	847.28	398	1,949.33
18	1,126.14	418.83	1,544.97	722	3,701.88
19	295.11	114.88	409.99	156	820.72
20 & 21	1,710.23	662.97	2,373.20	1,190	6,066.00
22	474.82	183.26	658.08	321.75	1,655.75
23	1,723.92	674.36	2,398.28	1,179	6,153.44
31	133.50	40.16	173.66	243	451.73
32	95.62	28.74	124.36	177	312.92
33	109.00	32.29	141.29	236	415.51
34	180.77	57.97	238.74	314	560.13
35	351.24	105.97	457.21	574	994.83
36	105.00	31.12	136.12	184	328.01
37	190.84	57.16	248.00	351	620.93
38	119.44	39.34	158.78	182	489.18
39	22.80	8.48	31.28	19	109.20
40	586.95	196.83	783.78	784.5	2,282.92
41	128.29	43.65	171.94	179	534.80
42	131.09	44.51	175.60	193	576.04
43	126.48	41.73	168.21	180	467.51
44	137.55	46.40	183.95	180	528.83
45	115.65	38.83	154.48	177	509.86
46	16.95	6.29	23.24	15	92.75
47	230.64	77.03	307.67	227	591.55
48	234.78	79.19	313.97	265	662.98
49	236.86	79.65	316.51	246	619.24
51	241.42	80.61	322.03	307	774.70
52	246.45	82.22	328.67	349	889.74
53	233.37	78.02	311.39	265	630.25
Total for routes	$16,803.23	$6,372.43	$23,175.66	14,241	57,915.04
Dump men	2,464.76	.....	2,464.76	.....	.....
	$19,267.99	$6,372.43	$25,640.42	14,241	57,915.04

FOLLOWING IS A SCHEDULE GIVING THE LOCATION OF THE DUMPS, THE TOTAL NUMBER OF LOADS HAULED FROM EACH ROUTE TO EACH DUMP FOR 52 WEEKS ENDING DECEMBER 23, 1911.

Route.	Sagamore.	Wentworth.	Putnam.	Somerville.	Salmon.	Russell.	Main.	Mast.	Boutwell.	Maxwell.	Granite.	Smalley.	McQueston.	Frederick.	Amoskeag.	Park avenue.
1	418	50¼	120½	8½		2½										2
2	306	30¾	68½	½		7½										
3	247	27¼	81¾	2		2½										
4	70	11	113½	3												
5	77	12	108½			5										
6 and 8	338	87¾	167	1		7								1		
9	141	22¾	165¾	2	7½											
10	129	226												3		
11	38	4												5		
13	94	132		100	51	1								1		
14	66	82		20	19	2										
15	129	237			1	7								3		
16	167	384½			9									9		
17	170	169		26	19	5								4		
18	274	434		6	4											
19	55	108		3										6		
20 and 21	384	797			2			1						2		
22	135	178¾				6								6		
23	366	803				1										
31	88	134	15		2			1			3			3		
32	45	74	3	3			38					5	6			
33	18	32	5				6	164					11			
34	115	186	13				14									
35	176	331	41				2	1	3			8				
36	70	92	20				26									
37	80	106	128					5			3			3		
38	7		173						2							
39			19													
40	5		776½					1	2							
41	1		152					1	25							
42		2	189					2								
43	5		173						1	1						
44			98					8	8	65					1	

45	3		99						75							
46			6						5	4						
47				227												
48				265												
49				246												
51				307												
52				349												
53				258												
	4,217	4,754	2,736	1,827	107	54	86	184	121	70	6	13	17	46	1	2

SUMMARY.

	Loads.
Amoskeag	1
Boutwell	121
Frederick	46
Granite	6
Main	86
Mast	184
Maxwell	70
McQueston	17
Park avenue	2
Putnam	2,736
Russell	54
Sagamore	4,217
Salmon	107
Smalley	13
Somerville	1,827
Wentworth	4,754
Total	14,241

DISPOSAL.

The Wentworth street dump (proper) is filled and another dump at the northerly end near the outlet of the 'Squog river is being used for part of the collections but owing to many complaints, this probably cannot be used much longer.

Arrangements have recently been made whereby the city may dump during the winter months in the Christian brook valley immediately west of Liberty street.

The dump between Elm and Chestnut streets along the Christian brook was nearly filled last winter and would have been completely filled had they been allowed to dump a month longer.

The Somerville street dump and the Putnam street dump are still available; also one dump about a mile beyond the Wentworth street dump and one small dump near the Wentworth street dump. The nearer the city the greater the cost of caring for the dump.

APPROPRIATION FOR SCAVENGER SERVICE.

Percentage Report.

	Classified Expenditures.		Percent of Total Expenditures.
Contract		$1,922.64	.067
Equipment		4,400.00	.153
Freight		2.20	.0001
Insurance		148.75	.005
Licenses		15.00	.001
Lumber		1.40	.00005
Paint		18.00	.001
Payroll, Division 2	$16,971.18		
7	1,412.18		
10	2,427.20		
		20,810.56	.726
Printing		11.25	.0004
Repairs		61.93	.0021
Superintendence		999.96	.034
Supplies		219.65	.007
Tools		32.59	.001
Transportation		7.25	.0002
Total expenditures		$28,651.18	1,000.00
Appropriation			$30,000.00
Balance		1,348.82	
		$30,000.00	$30,000.00

PARKS AND COMMONS DEPARTMENT

CARE OF COMMONS, DERRYFIELD PARK, LAFAYETTE PARK, MISCELLANEOUS PLAYGROUNDS, WOLF PARK BALL GROUND, STARK PARK

APPROPRIATION FOR CARE OF COMMONS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Fertilizer	H. B. Fairbanks		$54.20	$4,500.00	Common council	Care of commons.
Flowers	F. J. Bixby		210.22			
Freight	Boston & Maine R. R.		23.05			
Harness repairs	George W. Spaulding		7.00			
Iron fence	The Stewart Iron Works Co.		247.62			
Labor	John H. Stevens		12.00			
Lights	Manchester T. L. & P. Co.		156.10			
Lumber	West Side Lumber Co.		12.11			
Payroll	Commons		1,742.70			
Salary of superintendent	John Seastrom		735.00			
Supplies	G. W. Dodge Shoe Co.	$12.00				
	Parnell Bros.	2.50				
	Ranno Saddlery Co	4.50				
	John H. Stevens	4.27				
	John B. Varick Co.	45.27				
			68.54			
Tools	John B. Varick Co.		7.35			
Trees	A. P. Horne		9.50			
Water	Water commissioners		700.00			
			$3,985.40	$4,500.00		
Balance	Common council		514.60			
			$4,500.00	$4,500.00		

APPROPRIATION FOR CARE OF COMMONS.

Itemized Operations.

Work.	Nature of.	Labor.
Band stand	Erecting	$20.18
	Moving	4.90
Cesspools	Cleaning	12.10
Fence	Cleaning	7.00
	Making forms	1.36
	Painting	19.14
	Putting up iron fence	59.37
	Repairing	7.42
Flower beds	Cleaning	17.49
	Manuring	12.67
	Planting	13.89
	Putting up fences	7.28
	Removing brush	3.64
	Watering	45.44
Fountains	Cleaning	5.94
	Covering	18.26
	Painting	10.50
	Removing covers	10.78
Harnesses	Cleaning	7.82
Lawns	Cleaning	47.59
	Cutting grass	249.91
	Drawing loam	7.14
	Grass seeding	7.14
	Leveling loam	4.18
	Picking up rubbish	316.49
	Raking leaves	149.60
Playground	Removing sand boxes	4.18
Seats	Painting	44.46
	Putting out	32.34
	Putting stone dust around	11.44
	Taking up	24.42
Skating rinks	Care and maintenance	124.38
Shrub beds	Cleaning	15.18
	Hoeing	3.50
	Manuring	10.34
Swings	Changing location of	17.77
	Putting out	3.64
Trees	Cementing holes	22.66
	Planting	3.64
	Trimming	31.56
Walks	Cleaning snow	62.90
	Drawing	2.20
	Filling holes	6.16
	Sweeping	254.70
		$1,742.70

APPROPRIATION FOR CARE OF COMMONS.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures,
Contract	$12.00	.003
Freight	23.05	.006
Lights	156.10	.033
Lumber	12.11	.003
Payroll	1,742.70	.435
Repairs	7.00	.002
Superintendence	735.00	.186
Supplies	590.08	.150
Tools	7.36	.002
Water	700.00	.180
Total expenditures	$3,985.40	1,000.00
Appropriation	.....	$4,500.00
Balance	514.60	.....
	$4,500.00	$4,500.00

APPROPRIATION FOR DERRYFIELD PARK.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Flowers	F. J. Bixby		$35.45	$1,000.00	Common council	Derryfield park.
Insurance	William G. Berry	$5.00				
	John A. Sheehan	6.00				
			11.00			
Payroll	Commons		880.20			
Supplies	Carl W. Anderson	$0 50				
	John B. Varick Co.	24.10				
			24.60			
Water	Water commissioners		30.00			
			$981.25	$1,000.00		
Balance	Common council		18.75			
			$1,000.00	$1,000.00		

APPROPRIATION FOR DERRYFIELD PARK.

Itemized Operations.

Work.	Nature of.	Labor.	
Baseball grounds	Repairs	$1.98	
	Erecting backstop	9.17	
			$11.06
Barn	Repairing	$3.50	
	Reflooring stalls	1.98	
	Cleaning harnesses	3 02	
			8.50
Bridge	Drawing bridge plank to barn	$5.39	
			5.39
Flower beds	Manuring	$3.64	
	Planting	3.78	
	Cleaning	5.39	
			12.81
Gutters	Cleaning	$69.55	
			69.55
Haying	Cutting and hauling	$138.64	
			138.64
Lawns	Cutting grass	$60.51	
	Manuring	5.67	
	Leveling	7.56	
			73.74
Roadways	Cleaning up	$27.40	
	Removing ice	7.28	
	Removing stone	3.64	
	Top dressing	27.72	
	Repairing	136.77	
			202.81
Shrub beds	Cleaning and manuring	$26.20	
			26.20
Swings	Painting	$9.17	
	Setting up	3.50	
			12.67
Tool house	Repairing	$1.98	
			1.98
Tower	Watching	$41.63	
	Repairing	1.98	
			43.61
Trees	Cutting down	$79.20	
	Cutting and burning brush	62.38	
	Trimming	62.02	
			203.60
Vault	Cleaning	$5.39	
			5.39
Walks	Cleaning	$41.41	
			41.41
Fourth of July celebration	Erecting band stand	$8.28	
	Setting up posts	5.39	
	Cleaning up	9.17	
			22.84
			$880.20

APPROPRIATION FOR DERRYFIELD PARK.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures
Insurance	$11.00	.011
Payroll	880.20	.897
Supplies	60.05	.062
Water	30.00	.030
Total expenditures	$981.25	1,000.00
Appropriation	.....	$1,000 00
Balance	18.75	.....
	$1,000.00	$1,000.00

APPROPRIATION FOR LAFAYETTE PARK.

Expenditures.			Receipts.		
For	To	Cr.	Dr.	By	For
Contract for steps	Hanscom Construction Co.	$389.21	$1,000.00	Common Council	Lafayette Park
Payroll	Division No. 10	518.16			
Supplies	John B. Varick Co.	1.68			
		$909.05	$1,000.00		
Balance	Common Council	90.95			
		$1,000.00	$1,000.00		

APPROPRIATION FOR LAFAYETTE PARK.

Itemized Operations.

Location.	Nature of Work.	Contract.	Supplies.	Labor.	Total Cost.
Northwest corner	Flight of concrete steps	$389.21			$389.21
North End	Grading bank and around steps and walks		$1.68	$518.16	519.84
		$389.21	$1.68	$518.16	$909.05

APPROPRIATION FOR LAFAYETTE PARK.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Contract	$389.21	.428
Payroll Division 10	518.16	.570
Supplies	1.68	.002
		1.000
Total expenditures	$909.05	
Appropriation		$1,000.00
Balance	90.95	
	$1,000.00	$1,000.00

APPROPRIATION FOR MISCELLANEOUS PLAYGROUNDS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Lumber	West Side Lumber Co.		$10.52	$1,000.00	Common council	Miscellaneous playgrounds.
Payroll	Commons	$182.69				
	Division No. 2	61.58				
			244.27			
Rent of playgrounds	Amoskeag Mfg. Co.		2.00			
Supplies	Nelson's 5 and 10c Store	$3.60				
	People's Gas Co.	40.60				
	John B. Varick Co.	8.98				
			53.18			
Water	Water commissioners		33.56			
			$343.53	$1,000.00		
Balance	Common council		656.47			
			$1,000.00	$1,000.00		

APPROPRIATION FOR MISCELLANEOUS PLAYGROUNDS.

Itemized Operations.

Location.	Nature of Work.	Labor.
Barry playground	Cutting grass	$10.39
	Cutting weeds	3.96
	Putting up fence	7.28
	Putting up settees	1.89
Concord common	Repairing chair swings	9.90
	Watching	100.33
North End playground	Erecting backstop	11.06
Rock Rimmon playground	Erecting backstop	14.42
	Setting up swings	3.78
Miscellaneous locations	Backstop, baseball fields, skating areas, etc.	81.26
		$244.27

APPROPRIATION FOR MISCELLANEOUS PLAYGROUNDS.

Percentage Report.

	Classified Expenditures.		Percent of Total Expenditures.
Contract	.....	$2.00	.005
Lumber	.....	10.52	.031
Payroll, commons	$182.69		
Division 2	61.58		
		244.27	.710
Supplies	.....	53.18	.155
Water	.....	33.56	.099
Total expenditures	.....	$343.53	1,000.00
Appropriation	.....	.....	$1,000.00
Balance	.....	656.47	.....
		$1,000.00	$1,000.00

APPROPRIATION FOR BALL GROUND, WOLF PARK.

Expenditures.			Receipts.		
For	To	Cr.	Dr.	By	For
Payroll.	Commons.....	$187.10	$200.00	Common Council..... .	Ball ground, Wolf park.....
		$187.10			
Balance.....	Common Council.....	12.90	$200.00		
		$200.00	$200.00		

BALL GROUND AT WOLF PARK.

Itemized Operations.

Nature of Work.	Labor.	Teams.	Total Cost.
Plowing and leveling	$40.82	$50.00	$90.82
Pulling up brush	66.28	30.00	96.28
	$107.10	$80.00	$187.10

APPROPRIATION FOR WOLF PARK.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Payroll	$187.10	100
Total expenditures	$187.10	
Appropriation		$200.00
Balance	12.90	
	$200.00	$200.00

APPROPRIATION FOR STARK PARK.

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Flowers	F. J. Bixby	.....	$81.12	$6.41	C. J. Giroux	Corner curbing
Payroll	Commons	.....	902.24	6.00	William McElroy	Labor
Supplies	Pike & Heald Co.	$0.55		16.95	Manchester Water Works	Labor and material
	John B. Varick Co.	11.32		7.20	John Seastrom	Rent of field glasses
			11.87			
Tools	John B. Varick Co.	.....	2.88	1,977.23	Common council	Stark park
Water	Water commissioners	.....	12.00			
			$1,010.11	$2,013.79		
Balance	Common council	.....	1,003.68			
			$2,013.79	$2,013.79		

APPROPRIATION FOR STARK PARK.

Itemized Operations.

Work.	Nature of	Labor.	Teams.	Total.
Bridges	Replanking	$5.39	.....	$5.39
Flower beds	Cleaning	22.38	.....	22.38
	Manuring	3.64	.....	3.64
	Planting	5.53	.....	5.53
	Watering	14.37	.....	14.37
Haying	Bedding	40.70	.....	40.70
	Hay	33.66	.....	33.66
Miscellaneous work	Laying floor in summer-house	3.96	.....	3.96
Lawns	Cutting grass	80.36	$10.00	90.36
	Drawing manure	56.10	.....	56.10
	Hoeing	23.76	.....	23.76
Roadways	Cutting ice	3.64	.....	3.64
	Cleaning gutters	151.02	.....	151.02
	Hoeing	10.50	.....	10.50
	Repairing roadways	18.92	.....	18.92
Repairing washouts	.....	1.98	.....	1.98
	Top dressing	50.82	.....	50.82
Swings	Setting up	5.39	.....	5.39
Shrub beds	Cleaning	52.18	.....	52.18
	Hoeing	17.50	.....	17.50
	Manuring	17.38	.....	17.38
	Putting on loam	31.78	.....	31.78
	Trimming	17.82	.....	17.82
	Weeding	17.50	.....	17.50
Trees	Drawing wood	14.56	.....	14.56
	Raking leaves	24.98	.....	24.98
	Trimming	123.24	.....	123.24
	Miscellaneous	53.18	.....	53.18
		$902.24	$10.00	$912.24

APPROPRIATION FOR STARK PARK.

Percentage Report.

	Classified Expenditures.	Percent of Total Expenditures.
Payroll	$902.24	.893
Supplies	92.99	.092
Tools	2.88	.003
Water	12.00	.012
Total expenditures	$1,010.11	1.000
Appropriation	.....	$1,977.23
Receipts	.....	36.56
Balance	1,003.68	
	$2,013.79	$2,013.79

Following is a statement of the proportion of each classification (under recapitulation) to the total amount expended.

	Classified Expenditures.	Percent of Total Expenditures.
Abatement	$19.42	.00020
Brick	1,111.88	.00453
Broken stone	62,661.78	.02557
Castings	2,301.66	.00939
Cement	2,604.54	.01063
Claims	156.05	.00064
Contract	32 276.24	.13167
Curbing	1,248.02	.00509
Equipment	6,261.00	.02554
Explosives	412.37	.00168
Feed	3,745.46	.01528
Freight	1,652.13	.00674
Fuel	904.18	.00369
Granite paving blocks	13,594.77	.05546
Gravel	448.30	.00183
Ice	4.40	.00001
Inspecting	813.92	.00332
Insurance	488.06	.00199
Licenses	15.00	.00006
Lights	469.25	.00191
Lumber	2,812.49	.01147
Paint	155.46	.00063
Payroll	131,924.44	.53818
Pipe	6,036.31	.02463
Pitch (paving)	51.52	.00021
Postage	73.06	.00030
Printing	237.58	.00097
Repairs	2,384.42	.00973
Road Oil	2,992.73	.01221
Salaries	9,892.59	.04036
Sand	125.00	.00051
Steel beams	2,416.77	.00987
Superintendence	1,734.96	.00708
Supplies	4,580.34	.01869
Telephone	193.68	.00079
Tools	331.73	.00135
Transportation	291.62	.00119
Veterinary services	71.34	.00029
Water	886.31	.00362
Wood paving blocks	3,111.53	.01269
Total expenditures	$245,127.90	

REPORTS

OF THE

TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

REPORT OF TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

Report of Subtrustees of Pine Grove Cemetery.

To the Trustees of Cemeteries and the Board of Mayor and Aldermen:

GENTLEMEN:—In making the annual report of the subtrustees of the Pine Grove cemetery for the year 1911, as I am instructed by vote of the board to do, I have but little out of the ordinary to state.

The subtrustees were enabled to acquire the Mitchell farm, so called, of about twenty acres, with a house and barn, lying between the land purchased in 1910 and Mitchell street; also about nine tenths of an acre, adjoining that purchased in 1910 on the southeasterly corner, was purchased for $202.50. For the Mitchell land $4,289.40 was paid. Of this sum $1,398.00 came from the unexpended balance of the bond issue of 1910, and the remainder, $2,891.40, was paid from the appropriation, making in all $3,093.90 paid for land out of the 1911 appropriation, thus leaving available for the care of Pine Grove cemetery during the year the actual amount of $16,406.10.

As the result of the land purchases of 1910 and 1911 the cemetery grounds now extend northerly to Mitchell street all the way from the Calef road on the east to the Concord and Montreal railroad on the west, and the purchases which extend southerly nearly to the south end of the present cemetery contain over one hundred acres, all available for burial purposes.

The subtrustees deem that a very useful and economical action for the city has been taken in buying these lands, for they will meet the demands of a good many years to come. On these newly acquired tracts are houses containing nine tenements, of which five are now rented. Three have been put in good repair, two of the empty ones are ready to be let, and needed repairs in the way of interior painting and papering are being made on the other two. For rent and water for these tenements $669.52 was paid by the occupants in 1911. Owing to the expenditure of so much money for land a number of improvements intended and needed to be made, including painting the outside of the tenements, had to be postponed.

The entire balance of the appropriation for 1911 was expended in the care of the grounds and the development of new lawns. Against

this sum of $16,046.10 there was paid into the city treasury for the care of lots paid by owners or from the cemetery fund, for interments, removals, labor, use of chapel, sale of flowers, rents and sundries, the sum of $12,340.66, so that the actual cost of the maintenance of Pine Grove cemetery for the year was $4,165.44.

As has been stated in several reports, the cost of maintenance increases each year, and is bound to do so with the growth in the size of the grounds, for the labor called for increases proportionately. In 1911 the average number of men employed was eighteen. A mould was purchased for the making of cement bounds to mark the corners of lots, and quite a saving in the future cost of this necessary item is anticipated. At the cottage on the Ray land the water pipe was repaired and lowered to prevent freezing and some pointing was done on the joints in the walls of Ursula chapel. A new flag-pole was set up on the Grand Army lot. There were laid 425 feet of two-inches and 175 feet of one-inch water pipe, six new hydrants were set up and quite a number of old ones, which were out of repair, were put in working order. There were laid 350 feet of twelve-inches and 150 feet of eight-inches drain pipe, and four cesspools were built, making a drainage outlet for quite a large area of the grounds.

An addition to Chapel lawn, which will contain some forty-five lots, and on which the Clough mausoleum was built, was brought up to grade and partially seeded for grass. Considerable preliminary work was done on the proposed "rockery," northwest of the chapel, such as putting in a foundation for a fountain, connecting water-pipe with the same, and building cesspools for drainage. A large section of border west of Spruce lawn was graded and graveled and is ready for the loam. A bed of shrubbery and a number of trees were set out in this border. The work of regrading the old public ground was begun. It has been covered with clay and partially with loam. Twenty ordinary private lots were regraded at the expense of the owners and in doing that work 2,318 square feet of paths and borders were loamed and seeded. The Swedish Lutheran lot, containing 8,181 square feet, was regraded with clay and loam and reseeded for grass at a cost of $500, borne by the society. The extent of grading done during the year may be realized when it is considered that in the work there were used 736 loads of clay, 125 loads of gravel, 100 loads of muck, and 788 loads of loam. Many trees and shrubs were set out in the grounds, and more in the nurseries. Most of the flowers came from the greenhouses and nurseries and the estimated value of the plants used is $1,800.00.

It is interesting to note that on December 31, 1911, the cemetery fund for the care of lots and graves in the hands of the trustees of that fund was $143,744.72, being increased during 1911 by the sum of $9,560.76. Of the whole number of lots of all kinds sold from the beginning up to the same date 3261, 868 are under perpetual care

and 431 under semi-perpetual care, thus securing a continuously good condition of the grass and grading. During 1911 the owners of 446 private lots paid for the care of their lots, so that over one half of all the lots were kept in proper condition without any charge on the public treasury. And this proportion will continue to grow larger, as no lots are now sold without some provision for their maintenance at the expense of the cemetery fund.

The trustees of that fund, following their established practice, set apart for the use of the subtrustees the sum of $1,000 for permanent improvements in the grounds. Owing to the lateness with which it was received, only $458.18 was expended in macadamizing 1,707 square yards of avenues. The balance of the $1,000 will be available in the spring and will be used as needed. The subtrustees would express their thanks to the trustees of the fund for the donation. At the expense of the same fund, in addition to the usual work of watering and clipping the grass, 41 monuments and one mausoleum were cleaned, a large part of Pine and Riverside lawns was reseeded with grass and seven ordinary lots under perpetual care were re-dressed.

During 1911 there were sold 50 lots on various lawns, 11 single graves on Woodside lawn, and 7 single graves on Swedish lawn, making in all up to December 31, 1911, 3,261 lots sold, and 109 graves on Woodside lawn and 191 graves on Swedish lawn. There were plotted out and ready for sale on the same date 259 lots, and 16 single graves on Woodside lawn, and 399 graves on Swedish lawn. The 259 lots are divided among the lawns as follows: On Chapel lawn 42, on Hillside lawn 12, on Acacia lawn 4, on Lakeside lawn 8, on Swedish lawn 9, on Birch lawn 90, and on Spruce lawn 94.

The number of interments in 1911 was 316, of these 111 being in the Field of Manesquo on public ground, making the total number of interments to December 31, 1911, 9,526. Bodies to the number of twenty-two were removed from one grave to another, two were removed to outside cemeteries, and one was brought from outside to Pine Grove. Foundations were set during 1911 for 78 monuments, 56 tablets, and one mausoleum. Two brick vaults were laid and 26 cement vaults.

The appropriation for the Merrill yard was $100 and against this sum the receipts were $43, making the cost of maintenance $57.

During 1911 both Pine Grove cemetery and the Merrill yard have been, as for many years previously, under the charge of Superintendent John H. Erskine, and the subtrustees believe that the appearance of the grounds is the best evidence of his zeal and faithful care and justifies the subtrustees in submitting the results of his work and of their supervision to the favorable consideration of all the citizens of Manchester who are interested in the development and maintenance of those cemeteries.

EDWIN F. JONES,
Clerk for the Trustees.

Report of Subtrustees of Valley Cemetery.

To the Trustees of Cemeteries and the Board of Mayor and Aldermen:

GENTLEMEN:—At the request of the subtrustees of Valley cemetery I submit this, their report, for the year 1911.

The appropriation for this year (1911) was five thousand dollars ($5,000), being five hundred dollars ($500) less than for the year 1910.

The care of the cemetery, however, under the careful management of Superintendent Eugene C. Smith, was along the same general lines of the past few years, and speaks well for his efficiency and painstaking devotion.

Of this amount appropriated some twenty-five hundred dollars ($2,500) was expended in the labor of six (6) men working about eight (8) months during which time the cement wall on the driveway was extended westward from the city tomb about one hundred and sixty-five (165) feet.

The roadbeds to the extent of thirty-eight hundred and fifty (3,850) square feet were macadamized, five thousand (5,000) square feet of lawn were graded and seeded down, making in all about two hundred thousand (200,000) square feet now in landscape effect, or nearly one third of the whole cemetery.

To do this work required seventy-one loads of loam, five hundred (500) feet of turf, while three hundred (300) loads of sand were removed. The trustees pursued the policy adopted a year ago of planting where necessary additional trees, expending the sum of one hundred dollars ($100) in the purchase and setting out of evergreens and birches, one hundred (100) trees in all that are doing well, and with the one hundred (100) set out in 1910 will add much to the good appearance of the grounds. The superintendent has, with his own force of men, removed all of the brown-tail moth nests, having the work all finished before Christmas-time. We are pleased to be able to note that the ravages of this pest are decreasing, the amount of cutting or trimming of trees being much less than usual.

In addition to all the foregoing there has been the usual care of the flowers, flowerbeds, shrubbery, and walks, all requiring more or less attention to keep them in the excellent condition which your trustees believe should be maintained.

During the year fourteen (14) monuments, eleven (11) headstones, twenty-seven (27) grave-markers, and eight (8) posts have been placed in permanent position, while thirty (30) of the old headstones have been repaired or reset.

As the years go by this eminently necessary work of repairing and erecting the older stones as well as the general care and maintenance of the entire cemetery will, if we are to keep to the excellent standards of the past, require the expenditure of a steadily increasing sum, because the ravages of time are certain and inevitable, so that the wisdom of appropriating a sum less than in former years is not readily apparent.

While the amount appropriated for the cemetery is five thousand dollars ($5,000), the actual costs to the city for the care and maintenance of the cemetery is not that amount, for there was received during the year for the care of lots, for tomb fees, and interments, nineteen hundred fifty-six dollars and fifty cents ($1,-956.50), so that the actual net cost to the city is only about three thousand dollars ($3,000).

Unfortunately, this cemetery is not like its sister, Pine Grove, the recipient of any income from the sale of lots. When you consider that this cemetery has been used for over seventy (70) years, that it contains some twenty (20) acres, and has about thirteen thousand five hundred (13,500) bodies resting there, the expense of this maintenance is not excessive when compared with other cemeteries under like conditions.

The interments this year were about the usual number, namely, forty-nine (49), while forty-three (43) bodies were placed in the tomb, almost twice as many as last year, but not exceeding the average for a number of years past. The entire number of bodies placed in the city tomb since January 1, 1889, is to January 1, 1912, thirteen hundred and twenty-eight (1,328).

That the public do take an interest in the "Valley" is evidenced by the fact that the number of lots placed under perpetual care was increased thirty (30) in 1911, making in all two hundred and fifty-six (256), with two hundred and five (205) under annual care. This increase in the number of lots under perpetual care means also an increase in the permanent cemetery fund of the city, which, so far as this cemetery is concerned, now is nearly forty thousand dollars ($40,000).

Respectfully submitted,

FRANK C. LIVINGSTON,

Clerk.

Report of Amoskeag Cemetery.

Appropriation for the year 1911		$500.00
EXPENDITURES DURING THE YEAR.		
Labor	$303.76	
Supplies	129.03	
Gates	60.00	
Horse hire	5.00	
Moving house	3.00	
		500.79
Overdraft		$0.79

There have been thirteen burials during the year 1911. The receipts for the year amounted to $28.

CHARLES W. RICHARDS,

For the Trustees of Amoskeag Cemetery.

TREASURER'S REPORT.

To the Trustees of Cemeteries:

I herewith present to you the annual report of money received for the year ending December 30, 1911.

	Interest	Price of Lot	Permanent Fund	Total
H. H. Kew	$3.88	$34.46	.....	$38.34
R. B. Jacobs	.....	56.25	.....	56.25
Elizabeth K. Washburn	.....	9.00	.....	9.00
Waldo C. Masten	.....	10.00	.....	10.00
John A. McElroy	9.50	34.35	.....	43.85
Catherine Waddell	.....	31.20	$39.00	70.20
H. L. Benson	.....	23.10	28.87	51.97
Lizzie J. Knowlton	.....	22.00	27.50	49.50
Eunice M. Boynton	.65	17.19	21.49	39.33
Arthur H. Caswell	.77	39.00	48.75	88.52
E. H. Denno	.....	39.00	48.75	87.75
A. B. Skinner	.83	29.37	36.71	66.91
Irene Schmalfuss	.....	24.20	30.25	54.45
Christian Seifert	.....	35.20	44.00	79.20
Nellie B. Boardman	.....	62.00	77.50	139.50
Mary S. Newton	.....	60.00	75.00	135.00
John Brown	.....	23.10	28.87	51.97
David J. Hill	2.40	36.00	45.00	83.40
Daisy Rydin	.....	33.64	42.05	75.69
Robert A. Seaver	.....	34.84	43.56	78.40
Fred Fischtinger	.....	47.94	59.92	107.86
James P. Balloch	.....	72.41	90.52	162.93
Arthur A. Page	51.38	58.94	73.68	184.00
Joseph B. Goodwin	.70	46.20	57.75	104.65
Mary E. Dockham	11.30	37.19	46.49	94.98
H. J. and Katie Dick	.....	35.12	43.91	79.03
Gertrude E. Tewksbury	5.00	20.00	25.00	50.00
Wilhelmina A. Schneider	1.29	54.06	67.57	122.92
Albert M. Hardy	.....	38.25	47.81	86.06
Gilbert J. Stanley	.....	43.50	54.38	97.88
Edith S. Patterson	.....	44.28	55.35	99.63
Arthur F. Ray	.....	39.00	48.75	87.75
Frank H. Emerson	3.43	85.77	257.31	346.51
James R. Carr	3.56	37.13	102.09	142.78

	Interest	Price of Lot	Permanent Fund	Total
William W. Forbes	.....	$43.94	$120.84	$164.78
Georgie A. Dodge	.....	94.00	275.00	369.00
Samuel Mungall	.....	93.25	279.75	373.00
Harry E. Pillsbury	.....	47.48	130.57	178.05
Benson B. Dyer	.....	62.29	186.86	249.15
Nathan A. Gowing	.....	24.00	66.00	90.00
Walter J. Sleeper, Dorothy M. Hartwell, and Natalie Sleeper	$5.22	26.00	71.50	102.72
Martha J. Campbell	.....	90.26	270.69	361.05
Sarah J. Beebe	.31	42.05	115.64	158.00
Martha S. Moore	.....	51.81	142.47	194.28
Clara M. Morey	2.30	60.00	180.00	242.30
Laura W. Wheeler, Marcia W. Colburn	.....	38.00	104.50	142.50
Isabella and Mabel B. Riley	.....	27.37	75.28	102.65
Austin G. Fletcher and Sylvester D. Loveland	3.86	64.29	192.88	261.03
Amariah Avery	.....	116.39	349.16	465.55
Frank P. Carpenter	.....	493.67	1,480.99	1,974.66
N. P. Hunt	.....	145.38	436.17	581.55
John S. Sleeper	.....	37.05	101.89	138.94
Edwin C. Rogers	1.98	38.00	104.50	144.48
Thomas F. and Jennie W. Dalton	.....	44.62	122.72	167.34
Charles Edgar	.....	60.60	181.82	242.42
James H. Johnson	.....	10.00	8.00	18.00
Annie Boag estate	.....	10.00	8.00	18.00
Mrs. Miranda Boynton	.....	20.00	16.00	36.00
Margaret Haselton	.....	10.00	8.00	18.00
Edward Berglund	.....	10.00	8.00	18.00
Jessie A. Burns	.....	10.00	8.00	18.00
Lizzie M. Cilley	.....	10.00	8.00	18.00
John Cox	.....	10.00	8.00	18.00
James A. Bain	.....	10.00	8.00	18.00
James Ericson	.....	10.00	8.00	18.00
Interest	$108.36			
Price of lots		$3,124.14		
Permanent fund			$6,745.16	
Total receipts, sale of lots				$9,977.66
J. H. Erskine, superintendent, care of lots				9,108.16
				$19,085.82

Cr.

By amount paid to cemetery fund:		
Perpetual care of lots	$5,348.73	
Single graves, Hillside lawn	1,308.43	
Partial perpetual care lots, Woodside lawn	88.00	
		$6,475.16
Treasurer's receipts for amount paid to city		3,232.50
Superintendent's receipts for amount paid to city		9,108.16
		$19,085.82

Merrill Yard Cemetery.

J. H. Erskine, superintendent, care of lots	$43.00

Cr.

J. H. Erskine, superintendent, amount paid to city	$43.00

Valley Cemetery.

Mrs. Hattie M. Hill, sale of path	$13.50	
E. C. Smith, superintendent, care of lots	1,956.50	
		$1,970.00

Cr.

By treasurer's receipts for amount paid to city	$13.50	
By superintendent's receipts for amount paid to city	1,956.50	
		$1,970.00

Amoskeag Cemetery.

George P. Harward, superintendent	$28.00

Cr.

By superintendent's receipts for amount paid to city	$28.00

Respectfully submitted,

FRED L. ALLEN,
Treasurer Trustees of Cemeteries.

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same are correctly cast and vouched for.

JAMES E. DODGE,
City Auditor.

To the Trustees of Cemetery Fund:

GENTLEMEN:—I herewith submit to you the twenty-ninth annual report of the funds received and expenses paid to January 1, 1912.

Pine Grove Cemetery.

Amount of permanent fund January 1, 1911		$134,183.96
RECEIPTS DURING THE YEAR.		
Mary B. Cate	$183.20	
S. J. Price	100.00	
Flora A. Locke	129.60	
J. E. Gallup	129.60	
Sophronia T. Maxfield	100.00	
George M. Davis, executor of estate of Mary J. Plumpton	100.00	
Mary Chadwick	100.00	
Alma E. Campbell estate	188.00	
John H. Wales	129.60	
Mrs. M. W. Dodge	120.00	
Charles S. Stevens	178.00	
C. H. Dutsch	100.00	
Carlton C. Shepard	129.60	
Mary A. Buzzell	112.00	
Alexander Cochran	100.00	
Lorin F. Philbrick	100.00	
Heirs B. Hoffarth	100.00	
Charles Damory	100.00	
Margaret J. Gannon	100.00	
Mary Putnam Hart	128.00	
Gilbert J. Stanley	100.00	
E. N. Tirrell, executor	144.00	
Frank W. Bodwell	144.00	
To receipts transferred from Pine Grove cemetery, perpetual care of lots	5,348.73	
Partial care lots, Hillside lawn	1,308.43	
Partial care lots, Woodside lawn	88.00	
Receipts for the year		9,560.76
Total of fund		$143,744.72

CR.

By bonds on hand	$113,050.00	
By cash on hand	30,694.72	
		$143,744.72

INCOME ACCOUNT.

Income on hand January 1, 1911		$4,773.23
Interest savings bank	$766.33	
Interest savings bank, Hillside lawn	468.84	
Interest savings bank, Woodside lawn	31.82	
Interest coupons, Manchester bonds	4,677.50	
		5,944.49
		$10,717.72

EXPENSES PAID DURING YEAR.

Louis P. Tremblay	$6.50	
Charles Boynton	40.87	
Union Coal Company	39.00	
Wood, Stubbs & Co.	27.50	
Manchester Hardware Company	182.90	
J. H. Erskine, removing weeds	30.00	
Veasey L. Morse	39.62	
James Thompson	53.00	
Palmer & Garmon	75.18	
J. O. and L. P. Tremblay	18.00	
J. H. Erskine, superintendent, care of lots, Woodside lawn	31.82	
J. H. Erskine, superintendent, care of lots, Hillside lawn	468.84	
J. H. Erskine, superintendent, perpetual care of lots	2,955.00	
Special appropriation for permanent improvement:		
C. A. Bailey, broken stone	444.26	
J. D. French, teaming stone	13.92	
		$4,426.41
Cash income on hand		6,291.31
		$10,717.72

Valley Cemetery.

Amount of permanent fund January 1, 1911	$39,027.37

RECEIPTS DURING THE YEAR.

Edgar A. Thayer, admr. of estate of David Thayer	$104.00	
Anna O. E. Cross, Exrx.	200.00	
A. J. Edgerly, Exr.	105.00	
Henry W. Boutwell, Exr.	101.00	
Ambrose A. Cargill	120.00	
Josephine E. Adams, Exrx.	100.00	
Silas A. Raymond	126.00	
Frank E. Green	121.60	
Edgar H. Currier	122.40	
Mrs. C. B. Bradley	104.80	
Mrs. G. W. Stevens	100.00	
Harriet W. Durgin	122.40	
Ella M. Lane	100.00	
Mrs. Benjamin Chase	100.00	
Estate B. F. Sutcliffe	100.00	
Walter P. Newell, Admr.	150.00	
Francis H. Chase	104.80	
Receipts for the year		1,982.00
Total of fund		$41,009.37

CR.

By bonds on hand	$31,500.00	
By cash on hand	9,509.37	
		$41,009.37

INCOME ACCOUNT.

Income on hand January 1, 1911		$5,513.34
Interest savings banks	$558.65	
Dividend Guaranty Savings bank	233.39	
Interest coupons Manchester bonds	1,350.00	
		2,142.04
		$7,655.38

EXPENSES PAID DURING THE YEAR.

John B. Varick Co.	$40.00	
W. E. Dunbar & Sons	45.00	
Pine Grove cemetery	44.00	
E. C. Smith, superintendent, care of lots	1,005.50	
Expenses during the year		$1,134.50
Cash income on hand		6,520.88
		$7,655.38

HANNAH A. CURRIER FUND.

For the care of gateway at Valley cemetery.

Amount of fund January 1, 1911	$500.00

CR.

By cash on hand	$500.00

INCOME ACCOUNT.

Interest savings bank	$18.33

CR.

Cash income on hand	$18.33

Merrill Yard Cemetery.

Amount of permanent fund January 1, 1911		$1,287.89

CR.

By bonds on hand	$450.00	
By cash on hand	837.89	
		$1,287.89

INCOME ACCOUNT.

Income on hand January 1, 1911		$389.00
Interest savings banks	$49.24	
Interest coupons Manchester bonds	22.50	
Dividend Guaranty Savings bank	7.21	
		78.95
		$467.95

EXPENSES.

Care of perpetual care lots, J. H. Erskine, Superintendent	$37.00	
Cash income on hand	430.95	
		$467.95

SPECIAL FUND.

For the care of Oliver Gould lot in Pine Grove cemetery.

Amount of fund	$500.00

CR.

By cash on hand	$500.00

INCOME ACCOUNT.

Income on hand January 1, 1911	$3.62	
Interest savings banks	20.32	
		$23.94
Paid J. H. Erskine, care of lots	$12.00	
Cash income on hand	11.94	
		$23.94

GALE FUND INCOME ACCOUNT.

Income on hand January 1, 1911	$201.95	
Interest savings bank	8.25	
Interest from fund	12.12	
		$222.32

EXPENSES PAID DURING YEAR.

E. C. Smith, Supt., care of Gale tomb	$8.00	
Cash on hand	214.32	
		$222.32

Respectfully submitted,

FRED L. ALLEN,

Treasurer Trustees Cemetery Fund.

This is to certify that I have examined the books of account of Fred L. Allen, treasurer of the cemetery funds, embracing the receipts and expenditures for the year 1911, and I find the same correct and properly vouched. I have also examined the securities in which said fund is invested and find as follows:

PINE GROVE CEMETERY.

20 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24, 26, 28, due 1942, denomination $1,000 each	$20,000.00
2 city of Manchester 5 percent cemetery bonds, Nos. 1 and 2, denomination $500 each	1,000.00
1 city of Manchester 5 percent cemetery bond, No. 3, due 1942	50.00
14 city of Manchester 5 percent cemetery bonds, Nos. 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, due 1913, denomination $1,000 each	14,000.00
1 city of Manchester 5 percent cemetery bond, No. 2, due 1913	500.00

5 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 9, 10, due 1913, denomination $100 each	$500.00	
16 city of Manchester 3½ percent city bonds, Nos. 21, 22, 23, 71, 72, 73, 74, 75, 91, 92, 94, 95, 96, 97, 98, 99, due April 1, 1919, denomination $1,000 each	16,000.00	
1 city of Manchester 4 percent school bond, due July 1, 1913	1,000.00	
2 city of Manchester 4 percent improvement bonds, Nos. 1 and 2, due April 1, 1916	2,000.00	
14 city of Manchester 4 percent water bonds, Nos. 21, 22, 23, 24, 25, 26, 27, 28, 50, 51, 56, 57, 58, 59, due January 1, 1917	14,000.00	
4 city of Manchester 3½ percent municipal bonds, Nos. 41, 42, 43, 44, due July 1, 1922	4,000.00	
19 city of Manchester 4 percent water bonds, Nos. 24 to 40 inclusive, 4, 7, due July 1, 1915	19,000.00	
21 city of Manchester cemetery bonds, 3½ percent, Nos. 1 to 21 inclusive, due October 1, 1930	21,000.00	
		$113,050.00
Cash in deposit in Manchester Savings bank, Book No. 50420	$10,430.29	
Cash on deposit in Mechanics Savings bank, Book No. 3413	13,084.61	
Cash on deposit in Mechanics Savings bank, Book No. 4407	12,599.13	
Cash on deposit in Mechanics Savings bank, Book No. 4522	872.00	
		36,986.03
Total amount of permanent fund and income December 31, 1911		$150,036.03

VALLEY CEMETERY.

4 city of Manchester 5 percent cemetery bonds, Nos. 1, 6, 11, 18, due 1913, denomination $1,000 each	$4,000.00	
1 city of Manchester 5 percent cemetery bond, No. 1, due 1913, denomination $500	500.00	
3 city of Manchester 5 percent cemetery bonds, Nos. 6, 7, 8, due 1913, denomination $100 each	300.00	

8 city of Manchester 5 percent cemetery bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due 1942, denomination $1,000 each.....	$8,000.00	
2 city of Manchester 5 percent cemetery bonds, Nos. 2 and 4, due 1942, denomination $50 each.....	100.00	
3 city of Manchester 4 percent improvement bonds, Nos. 3, 4, 5, due April 1, 1916.....	3,000.00	
3 city of Manchester 3½ percent city bonds, Nos. 81, 92, 100, due April 1, 1919, denomination $1,000 each.....	3,000.00	
6 city of Manchester 3½ percent municipal bonds, Nos. 35, 36, 37, 38, 39, 40, due 1922..	6,000.00	
6 city of Manchester 3½ percent cemetery bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942, denomination $100 each.....	600.00	
6 city of Manchester 4 percent water bonds, Nos. 8, 9, 10, 11, 12, 13, due July 1, 1915....	6,000.00	
		$31,500.00
Cash on deposit in Mechanics Savings bank, Book No. 5569.....	$13,870.37	
Cash on deposit in Amoskeag Savings bank, Book No. 68808.....	2,159.88	
		$16,030.25
Total amount of permanent fund and income.....		$47,530.25

MERRILL YARD CEMETERY.

2 city of Manchester 5 percent cemetery bonds, Nos. 4 and 5, due 1913, denomination $100 each.....	$200.00	
2 city of Manchester 5 percent cemetery bonds, Nos. 1 and 2, due 1942, denomination $100 each.....	200.00	
1 city of Manchester 5 percent cemetery bond, No. 1, due 1942, denomination $50..	50.00	
Cash on deposit in Amoskeag Savings bank, Book No. 69517.....	1,268.84	
		$1,718.84

GALE FUND INCOME ACCOUNT.

Cash on hand in Amoskeag Savings bank, Book No. 34108	$214.32
Special fund for the care of the Oliver Gould lot in Pine Grove cemetery:	
Cash on hand in Manchester Savings bank, Book No. 96450	511.94

Hannah A. Currier fund, Valley cemetery:	
Cash on hand in Merrimack River Savings bank, Book No. 42470	$518.33
Total amount of fund and income December 30, 1911	$200,529.71

JAMES E. DODGE,
City Auditor.

REPORT

OF THE

SUPERINTENDENT OF PUBLIC BUILDINGS.

REPORT OF SUPERINTENDENT OF PUBLIC BUILDINGS.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—As required by the city ordinance, I herewith have the honor to tender my first annual report for the year ending December 31, 1911.

In submitting my report to your honorable body, let it be my first duty to express to you my appreciation of the highly regarded counsel and assistance received from so many members of the city government during my initial year. This encouragement, which is most gratefully acknowledged, has been ably seconded by the cheerful and efficient assistance rendered by those attached to this department; the inspector of buildings, Harry S. Foster, who has so ably assisted me in the inspection and carrying out the work incurred upon this office; secondly, Mr. P. J. Stewart, clerk of the Department of Buildings, who has so ably kept the records and assisted me in the correct interpretation of the building code, and also those who have made up the repair division of this department; its foreman, Mr. R. J. Barry, who has so ably assisted me in this department, as well as the inspections of boilers, gas piping, and the other things that come under this head. His knowledge and experience, obtained by so many years in the city government, his advice and judgment is most gratefully acknowledged.

Many of those referred to are, as individuals, particularly worthy of commendation for their painstaking efforts and results of their labor.

The work of the repair division would, this coming year, be greatly facilitated if your honorable board could see fit to furnish this department with some means of transportation. This is a much-needed equipment, and we hope to make a record for the work and efficiency in the department and to further justify the confidence so kindly shown toward us by yourselves and his honor the mayor.

Several of the buildings throughout the interior have had a thorough renovating, kalsomining, and painting; but before going into details of the work done by this department I want to call your attention to the drinking-fountains now in the city schools. They are of an old-fashioned type, installed in the sinks. No doubt a great many of the janitors throw their slop water, after washing the floors and other work that they have to do with water, into the

sinks which contain the drinking fountains. It is my judgment, recommended to you for consideration, that these be replaced by individual sanitary drinking fountains, set in upon pedestals, making a very modern method for quenching the thirst of the children, and I believe they should be installed in every school in the city where it is possible to install them.

I have in the last vacation installed in what is known as the North Main-street school two of these fountains, which could be viewed by your honorable board, and I feel absolutely certain they would meet with your approval.

I would also recommend at the Harvey, Mosquito Pond, and Webster Mills schools that an unfreezing closet be installed instead of the present vault system, and that running water be placed in these schools.

Besides keeping up the minor repairs of the buildings that come under this department several of the heating and plumbing apparatus in the different buildings have been thoroughly overhauled, most notably the Varney school, where two new Acme boilers have been installed at a cost of $5,320.20, and also a thorough renovation as to frescoing the walls and ceilings. In this building we installed one additional drinking fountain.

At the North Main-street school the entire plumbing and ventilating has been revised and a new system established therein which is of the most modern type, together with the re-tubing of the boiler, the outlay in this work being $1,744.35.

At the Highland school in South Manchester a new room has been finished off on the upper floor and additional heating facilities installed at a cost of $871.90.

The Mosquito Pond, Harvey District, and Stark schools have been thoroughly renovated throughout with paint and fresco inside, which occasioned an outlay of $257.55.

Steel ceilings have been installed in various schools where the plastering was falling off; also metal weather strips have been installed in several of the windows of the different buildings.

I would especially call to your attention the fact of installing more of these weather strips to eliminate the putting on and taking off and storing of double windows. This matter of double windows is an endless expense and should be abolished.

Fire escapes have been installed at the Lincoln, Ash and Bakersville schools, and at the High school two Kirker-Bender tubular fire escapes have been installed.

In several of the buildings occupied by the fire department repairs and alterations have been perfected, much to the benefit of the building and the occupants thereof, notably the Webster-street engine house.

A new heating plant has been installed at the Wilson Hill engine house and also at the Battery building on Manchester street.

Under the supervision of this department two new eight-room school buildings of the most modern type are nearing completion.

Under this department a new public convenience station has been designed and erected on Merrimack common and will shortly be opened to the public.

The following is a tabulated form of the building operations and the estimated cost of the same for the year 1911:

NUMBER OF PERMITS ISSUED EACH MONTH FOR NEW BUILDINGS.

	Jan.	Feb.	Mar.	Apr.	May	June	July
Dwellings	7	3	18	31	32	31	15
Business	1	..	3	12	15	11	3
Public	..	..	2	..	1	..	1
Total	8	3	23	43	48	42	19

	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Dwellings	28	22	20	22	11	240
Business	10	6	14	6	6	89
Public	6	..	1	1	..	12
Total	44	28	35	29	17	341

ESTIMATED COST.

	Dwellings.	Business.	Public.
January	$12,700	$600	.....
February	14,200	.....	.....
March	54,700	6,800	$11,400
April	110,300	207,300	.....
May	130,700	14,950	1,000
June	108,536	3,550	.....
July	42,050	575	48,000
August	67,837	5,350	102,264
September	79,750	2,775	.....
October	80,750	5,675	945
November	79,200	4,165	12,500
December	37,275	1,440	.....
Total	$817,998	$253,180	$176,109

NUMBER OF PERMITS ISSUED FOR ALTERATIONS, ENLARGEMENTS, AND REPAIRS OF OLD BUILDINGS.

	Jan.	Feb.	Mar.	Apr.	May	June	July
Dwellings	9	14	16	18	18	13	9
Business	4	9	14	11	6	11	3
Public	..	..	..	..	..	..	1
Total	13	23	30	29	24	24	13

	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Dwellings	12	17	14	13	5	158
Business	8	8	15	13	7	109
Public	..	..	..	..	..	..
Total	20	25	29	26	12	268

ESTIMATED COST.

	Dwellings.	Business.	Public.
January	$8,440	$1,087	.....
February	10,675	5,625	.....
March	9,945	23,855	.....
April	12,225	9,820	.....
May	17,935	13,850	.....
June	10,750	3,675	.....
July	14,130	2,800	$3,000
August	8,350	6,015	.....
September	17,600	7,270	.....
October	6,575	6,540	.....
November	10,385	8,947	.....
December	7,200	12,800	.....
Total	$134,210	$102,284	$3,000

Number of permits issued during the year	609
Number of permits refused during the year	30
Inspections made during the year	2,746

Respectfully submitted,

G. H. HAMMOND,
Superintendent Public Buildings.

REPORT OF THE CITY SOLICITOR.

REPORT OF THE CITY SOLICITOR.

To the Honorable Mayor and City Councils:

GENTLEMEN:—I have the honor to submit to you the report of the city solicitor from September 18, 1911, to April 1, 1912.

The following cases were pending September 18, 1911:

In the United States District Court:

Joseph Landry vs. Manchester.

Trial by jury and judgment for the plaintiff. An appeal was taken, and the case is now pending before the Circuit Court of Appeals.

In the State Supreme Court:

Harrington vs. Manchester.

This was an appeal from the ruling of the county commissioners awarding nominal damages to the appellants in the laying out of Grove street. Briefs were submitted and judgment in favor of the city.

In the Hillsborough County Superior Court:

6889—Rodney N. Whittemore vs. Manchester.

The plaintiff alleges an improper construction of a sewer on the part of the city, which deviated the course of the water from an alleged spring of the plaintiff.

7343—Fred P. Danforth vs. Manchester.

The plaintiff alleges that the city increased the flow of a certain brook running on his land so that it caused great damage.

7356—Francena Laird vs. Manchester.

Has been adjusted out of court.

Since September 18, 1911, action has been taken on the following matters:

Petition of the city of Manchester to discontinue a part of Monadnock lane enough for the purpose of erecting the Maynard school.

Petition of the city of Manchester to discontinue a part of Nutt road.

Petition of the city of Manchester praying for an interpretation of the law relating to the settlement of paupers.

Petition of the city of Manchester against the Boston & Maine railroad, praying that the public service commission order the Boston

& Maine railroad to install certain alarm signals along certain grade crossings, has been continued for a hearing upon advices that the Boston & Maine would comply with the order of the city and install the signals.

The office of the superintendent of public buildings has been investigated. Many claims have been attended to and adjusted in connection with the committee on claims or the mayor.

The work of revising and reindexing the city ordinances has been completed.

There has been a hearing also relative to installing car tracks in different localities of the city, and to laying out or discontinuing certain highways.

Contracts made by different departments in the name of the city have been examined. Numerous oral and written opinions have been given to several officials, departments, committees, and members of the city council.

With the expression of thanks to all city officials for their courteous treatment, this report is

Respectfully submitted.

OSCAR F. MOREAU,
City Solicitor.

REPORT OF THE CITY PHYSICIAN.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor and City Councils of the City of Manchester:

GENTLEMEN:—I herewith submit my annual report as city physician for the year 1911.

The number of new patients treated, not including those at the Isolation hospital, police station, or for the board of health, was forty-six. Their distribution as to wards was as follows:

Ward 1	1
Ward 2	2
Ward 3	9
Ward 4	7
Ward 5	6
Ward 6	5
Ward 7	1
Ward 8	2
Ward 9	8
Ward 10	5
Total	46

This necessitated 481 visits to homes and 215 office visits. Three accident cases were treated for the street and park commission, 161 visits were made to the police station, and the Isolation hospital was visited 145 times.

Respectfully submitted,

JOHN C. O'CONNOR,
City Physician.

REPORT

OF THE

TRUSTEES OF THE SINKING FUND.

REPORT OF THE TRUSTEES OF THE SINKING FUND.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—As required by chapter 37, section 4 of the city ordinances of Manchester, the trustees of the sinking fund of the city of Manchester herewith report the condition of the several funds January 1, 1912, with receipts and payments for the year ending December 30, 1911.

EDWARD C. SMITH,
CHARLES H. MANNING,
FRED L. ALLEN,
Trustees Sinking Fund.

IMPROVEMENT LOAN.

Total amount of fund January 1, 1911, for the payment of improvement bonds		$365,515.17
Interest on Manchester bonds	$9,748.00	
Interest on Fall River bonds	875.00	
Interest on Nashua bonds	400.00	
Interest on bank deposits	725.41	
Dividend Guaranty Savings bank	109.14	
Interest on Boston bonds	2,475.00	
		14,332.55
		$379,847.72

CR.

A. M. Heard, Exr.:		
Premium paid for $1,000 Manchester bond	$5.00	
Accrued interest for Manchester bond	16.66	
Blodgett & Co.:		
Premium paid for $1,000 Manchester bond	1.25	
Accrued interest for Manchester bond	12.67	
		$35.58
Bonds on hand December 30, 1911	$324,000.00	
City of Manchester note, payable June 20, 1912	16,693.00	
Cash on hand December 30, 1911	39,119.14	
		$379,812.14
		$379,847.72

WATER LOAN.

Total amount of fund January 1, 1911, for the payment of water bonds		$170,607.20
Appropriation 1911	$5,000.00	
Appropriation for hydrant service 1911	22,450.00	
Interest on Manchester bonds	5,565.00	
Interest on Boston bonds	140.00	
Interest on bank deposits	364.82	
		33,519.82
		$204,127.02

CR.

Bonds on hand December 30, 1911	$141,000.00	
Cash on hand December 30, 1911	63,127.02	
		$204.127.02

SCHOOL LOAN.

Total amount of fund January 1, 1911, for the payment of school bonds maturing July 1, 1916		$34,474.65
Appropriation for 1911	$2,000.00	
Interest on Manchester bonds	1,150.00	
Interest on bank deposit	208.75	
		3,358.75
		$37,833.40

CR.

By bonds on hand December 30, 1911	$27,000.00	
By cash on hand December 30, 1911	10,833.40	
		$37,833.40

CITY FUNDING LOAN.

Total amount of fund on hand January 1, 1911, for the payment of city bonds maturing April 1, 1919		$63,327.01
Appropriation for 1911	$5,000.00	
Interest on Manchester bonds	2,094.00	
Interest on Boston bonds	200.00	
Interest on bank deposit	44.68	
		7,338.68
		$70,665.69

CR.

Bonds on hand December 30, 1911	$62,000.00	
Cash on hand December 30, 1911	8,665.69	
		$70,665.69

MUNICIPAL LOAN.

Total amount of fund January 1, 1911, for the payment of bonds maturing July 1, 1922		$35,277.53
Appropriation for 1911	$4,000.00	
Interest on Manchester bonds	1,045.00	
Interest on bank deposit	288.75	
		5,333.75
		$40,611.28

CR.

E. H. Rollins & Son:		
Accrued interest paid on $1,000 Bridge bonds	$1.22	
Geo. A. Fernald & Co.:		
Accrued interest paid on $1,000 C. of M. Imp. bond	11.33	
Amoskeag National bank:		
Accrued interest paid on $2,000 C. of M. Imp. bonds	20.00	
		$32.55
Bonds on hand December 30, 1911	$20,000.00	
Cash on hand December 30, 1911	20,578.73	
		$40,578.73
		$40,611.28

CITY REFUNDING LOAN.

Total amount of fund January 1, 1911, for the payment of bonds maturing April 1, 1925		$13,434.64
Appropriation for 1911	$2,500.00	
Interest on bank deposit	512.36	
		3,012.36
		$16,447.00

CR.

Cash on hand December 30, 1911		16,447.00

REFUNDING CITY LOAN.

Total amount of fund January 1, 1911, for the payment of bonds maturing April 1, 1927		$7,689.22
Appropriation for 1911	$2,500.00	
Interest on bank deposit	257.56	
		2,757.56
		$10,446.78

CR.

Cash on hand December 30, 1911		$10,446.78

IMPROVEMENT LOAN, SERIES E.

Total amount of fund January 1, 1911, for the payment of improvement bonds maturing April 1, 1930		$5,000.00
Appropriation for 1911	$5,000.00	
Interest on bank deposit	100.00	
		5,100.00
		$10,100.00

CR.

Cash on hand December 30, 1911		10,100.00

CEMETERY LOAN.

For the payment of cemetery bonds maturing October 1, 1930:		
Appropriation for 1911		$1,050.00

CR.

Cash on hand December 30, 1911		$1,050.00

Respectfully submitted,

FRED L. ALLEN,

Treasurer of Sinking Fund.

This is to certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of the sinking fund, embracing the receipts and expenditures for the year ending December 30, 1911, and find the same correct and properly vouched. I have also examined the securities in which the fund is invested and find as follows:

IMPROVEMENT LOAN.

No. of Bonds. Held.	Descriptive No. of Bonds.	Value of Bond.	Kind.	Rate of Interest.	Due.	Amount.	
	Note, city of Manchester	.....	.....	3½%	June 20, 1912	$16,693.00	
34	Nos. 8, 9, 10, 11, 12, 40, 44, 62, 69, 70, 75, 76, 77, 78, 82, 83, 80, 81, 88 to 94 inc., 60, 61, 79, 96 to 100 inc., 45	$1,000.00	Improvement Series A	4%	Jan. 1, 1913	34,000.00	
7	Nos. 5, 6, 7, 8, 9, 22, 29	1,000.00	Water Series C	4%	Oct. 1, 1914	7,000.00	
4	Nos. 193, 198, 199, 200	1,000.00	School	4%	July 1, 1915	4,000.00	
25	Nos. 1, 2, 3, 6, 14 to 23 inc., 41 to 47 inc., 57, 58, 70, 56	1,000.00	Water	4%	July 1, 1915	25,000.00	
38	Nos. 1, 8, 21, 30, 31, 32, 33, 34, 36, 44, 29, 35, 45, 46, 48, 49, 50, 51, 52, 62, 75, 38 to 43 inc., 58 to 61 inc., 63 to 69 inc.	1,000.00	Improvement Series C	4%	April 1, 1915	38,000.00	
41	Nos. 54 to 93 inc., 9	1,000.00	Improvement Series D	4%	April 1, 1916	41,000.00	
20	Nos. 17 to 20 inc., 60 to 65 inc., 71 to 74 inc., 77, 78, 3, 4, 35, 44	1,000.00	Water	4%	Jan. 1, 1917	20,000.00	
44	Nos. 6 to 20 inc., 29 to 57 inc.	1,000.00	City Funding	3½%	April 1, 1919	44,000.00	
36	Nos. 6 to 33 inc., 64 to 71 inc.	1,000.00	Municipal	3½%	July 1, 1922	36,000.00	
5	Registered	5,000.00	City of Boston	3½%	June 1, 1944	25,000.00	
1	Registered	20,000.00	Boston	4%	April 1, 1913	20,000.00	
1	Registered	1,000.00	Boston	4%	July 1, 1913	1,000.00	
1	Registered	1,000.00	Boston	4%	April 1, 1913	1,000.00	
1	Registered	16,000.00	Boston	4%	Oct. 1, 1914	16,000.00	
1	Registered	2,000.00	Boston	4%	April 1, 1912	2,000.00	
10	Nos. 48, 49, 50, 76, 77, 78, 79, 80, 101, 102	1,000.00	Nashua	4%	June 1, 1913	10,000.00	
	Bonds on hand	.....	.....	.....	.....	$340,693.00	
	Cash on hand	.....	.....	.....	.....	39,119.14	
							$379,812.14

WATER LOAN.

No. of Bonds. Held.	Descriptive No. of Bonds.	Value of Bond.	Kind.	Rate of Interest.	Due.	Amount.	
1	No. 95	$1,000.00	Improvement Series A	4%	Jan. 1, 1913	$1,000.00	
18	Nos. 10 to 21 inc., 45 to 50 inc.	1,000.00	Water Series C	4%	Oct. 1, 1914	18,000.00	
17	Nos. 9 to 20 inc., 53 to 57 inc.	1,000.00	Improvement Series C	4%	April 1, 1915	17,000.00	
2	Nos. 191, 192	1,000.00	School	4%	July 1, 1915	2,000.00	
11	Nos. 30 to 40 inc.	1,000.00	School	4%	July 1, 1916	11,000.00	
27	Nos. 38 to 42 inc., 79 to 100 inc.	1,000.00	Water	4%	Jan. 1, 1917	27,000.00	
1	No. 70	1,000.00	City Funding	3½%	April 1, 1919	1,000.00	
17	Nos. 34, 45 to 60 inc.	1,000.00	Municipal	3½%	July 1, 1922	17,000.00	
22	Nos. 29 to 50 inc.	1,000.00	Refunding	3½%	April 1, 1925	22,000.00	
25	Nos. 3 to 27 inc.	1,000.00	Water	4½%	Nov. 1, 1913	25,000.00	
	Bonds on hand					$141,000.00	
	Cash on hand					63,127.02	
							$204,127.02

SCHOOL LOAN.

No. of Bonds. Held.	Descriptive No. of Bonds.	Value of Bond.	Kind.	Rate of Interest.	Due.	Amount.	
9	Nos. 161 to 169 inc.	$1,000.00	School	4%	July 1, 1912	$9,000.00	
1	No. 180	1,000.00	School	4%	July 1, 1913	1,000.00	
1	No. 41	1,000.00	Improvement Series A	4%	Jan. 1, 1913	1,000.00	
5	Nos. 181, 184, 185, 189, 190	1,000.00	School	4%	July 1, 1914	5,000.00	
1	No. 3	1,000.00	Water Series C	4%	Oct. 1, 1914	1,000.00	
7	Nos. 48, 49, 50, 51, 52, 59, 60	1,000.00	Water	4%	July 1, 1915	7,000.00	
1	No. 18	1,000.00	Improvement Series D	4%	April 1, 1916	1,000.00	
2	Nos. 2 and 3	1,000.00	City Funding	3½%	April 1, 1919	2,000.00	
	Bonds on hand					$27,000.00	
	Cash on hand					10,833.40	
							$37,833.40

MUNICIPAL LOAN.

For the payment of municipal bonds maturing July 1, 1922.

No. of Bonds. Held.	Descriptive No. of Bonds.	Value of Bond.	Kind.	Rate of Interest.	Due.	Amount.	
2	Nos. 1 and 2	$1,000.00	Improvement Series A	4%	Jan. 1, 1913	$2,000.00	
4	Nos. 52, 53, 54, 55	1,000.00	Water	4%	Jan. 1, 1917	4,000.00	
3	Nos. 26, 27, 28	1,000.00	Refunding	3½%	April 1, 1925	3,000.00	
11	Nos. 91 to 100 inc., 37	1,000.00	Improvement Series C	4%	April 1, 1915	11,0000.00	
	Bonds on hand					$20,000.00	
	Cash on hand					20,578.73	
							$40,578.73

CITY FUNDING LOAN.

For the payment of bonds maturing April 1, 1919.

No. of Bonds. Held.	Descriptive No. of Bonds.	Value of Bond.	Kind.	Rate of Interest.	Due.	Amount.	
13	Nos. 1, 58 to 69 inc	$1,000.00	City Funding	3½%	April 1, 1919	$13,000.00	
1	No. 2	1,000.00	Water Series B	4½%	Nov. 1, 1913	1,000.00	
1	No. 177	1,000.00	School	4%	July 1, 1913	1,000.00	
1	No. 170	1,000.00	School	4%	July 1, 1912	1,000.00	
14	Nos. 1, 2, 3, 4, 5, 72 to 80 inc	1,000.00	Municipal	3½%	July 1, 1922	14,000.00	
23	Nos. 7, 22 to 28 inc., 76 to 90 inc	1,000.00	Improvement Series C	4%	April 1, 1915	23,000.00	
1	No. 50	1,000.00	Improvement	4%	April 1, 1916	1,000.00	
1	Registered	2,000.00	Boston	4%	April 1, 1912	2,000.00	
1	Registered	5,000.00	Boston	4%	July 1, 1912	5,000.00	
1	No. 23	1,000.00	Water	4%	Oct. 1, 1914	1,000.00	
	Bonds on hand					$62,000.00	
	Cash on hand					8,665.69	
							$70,665.69

CITY REFUNDING LOAN.

For payment of bonds maturing April 1, 1925.

Cash on hand	$16,447.00

REFUNDING CITY LOAN.

For payment of bonds maturing April 1, 1927.

Cash on hand	$10,446.78

IMPROVEMENT LOAN (Series E).

Cash on hand	$10,100.00

CEMETERY LOAN.

For the payment of bonds maturing October 1, 1930.

Cash on hand	$1,050.00
Total amount of sinking fund	$771,060.76

JAMES E. DODGE,

City Auditor.

REPORT OF OVERSEER OF THE POOR.

REPORT OF THE OVERSEER OF THE POOR.

To His Honor the Mayor and Gentlemen of the City Council:

In compliance with the city ordinances the overseer of the poor presents his annual report.

The duties and responsibilities of the overseer of the poor are sometimes simple, often complicated, but always imperative.

One applicant may be reasonable in request for aid, while another will urge his demands regardless of reason or justice. In some cases, after much perplexity, little satisfaction is gained in either giving or receiving. My aim in all cases is to give reasonable and needful aid without encouraging a spirit of pauperism.

The necessities of the unfortunate and needy or the criticisms of generous-minded persons in their behalf cannot be fully met under the present statutes governing the actions of the overseer of the poor.

At the commencement of the year, after mature deliberation on the part of the overseer of the poor, an appropriation for the city relief was asked for, which was thought to be necessary, and as small as it would be safe, to last through the year and satisfy the urgent calls of the liberal-minded citizens; but other counsels prevailed and the sum was reduced so low as to cause some distrust of my ability to make it suffice, but a determination was made that under no circumstances would I exceed my appropriation. Consequently the most rigid economy has been the rule, in some cases causing sharp criticism from those unacquainted with the cause.

The tables annexed will show the amount, kind, and detail of the work accomplished during the year, and are recommended to your careful consideration.

I wish to extend my thanks to all connected with the pauper department for their hearty coöperation; also to all the different charitable societies for their kindly remembrance of the poor during the past year.

JOSEPH L. BOUDREAU,
Overseer of the Poor.

The total number of families having applied and receiving aid is 201, or 775 persons, an increase over 1910 of 87 families, or 343 persons, making an average of 131 families, or 432 persons, receiving aid each month.

The following is a tabulation of the money expenditures for the

year 1911. Total number of orders given during the year is 1,881, divided as follows:

Amount of appropriation			$15,000.00
	No. Orders	Amount.	
For groceries	1,026	$8,614.90	
institutions	85	2,657.44	
board and care	292	1,266.61	
fuel	223	572.40	
rent	60	336.00	
funerals	10	195.00	
shoes and rubbers	38	109.40	
medicine	54	84.50	
medical services	7	35.00	
transportation	12	28.03	
clothing, etc.	10	21.70	
dental services	1	1.50	
city physician	63		
	1,881	$13,922.48	
Medical supplies for city physician		35.40	
Paid for bills contracted in 1910		77.45	
Total amount of money spent in 1911			14,035.33
Balance on hand January 1, 1912			$964.67

AMOUNTS SPENT EACH MONTH.

January	$1,145.22
February	1,315.15
March	1,276.16
April	1,204.39
May	1,150.08
June	1,295.16
July	1,196.06
August	1,224.79
September	1,267.26
October	1,290.22
November	1,557.99
	$13,922.48

GROCERIES.

A. J. Gagne	$181.00
Martel & Valliere	24.00
G. Boisvert	102.75
C. Normand	111.90
Eugene Dubois	289.80
Gorman Brothers	194.00

Ed. Murry	$33.50
Pete Kennedy	35.00
O. LaSalle	130.00
Ducharme Brothers	94.00
A. D. Prince	5.95
M. J. McNulty	84.76
Philip Grenier	84.00
C. E. Newcomb	186.00
A. Turgeon	10.00
Dumas & Prince, McGregorville	80.00
O. F. Dubois	141.99
Eugene Quirin	229.00
Joseph Bureau	358.00
Guillarde & Rivard	80.00
L. F. Dusseau & Co	372.90
J. E. Gaudette	35.97
Desrocher & Vezina	10.00
Harry T. Vezina	121.99
John A. Kane	178.00
Napoleon Lafond	77.69
Moise Verrette	58.00
Nat Sargent	24.00
Dumas & Prince, Wilson	218.95
Joseph Trahan	84.98
A. D. Lemay	72.00
S. E. Gagnon	87.00
John Carriere	92.51
Rouleau & Messier	42.00
Bourgois & Co	88.00
August Pearson	109.46
T. J. Labrecque	82.00
Joseph Leblond	31.89
J. A. Lindquist	44.00
20th Century Market	63.99
Edmond Pinard	202.00
Lamoureux Brothers	130.21
Joseph Demers	94.00
Peter Tennant	93.55
Joseph Hagerty	113.00
A. P. Hermsdoft	89.85
R. Hecker	20.00
Oscar McDuffee	104.46
Napoleon Daigle	59.99
C. D. Steele	60.00
Arsene Bournival	80.00
Ernest Gelinas	118.00
A. L. Duhaime	68.00

Dancause Brothers	$183.00
H. Pariseau	64.80
Gaudette Brothers	88.00
Carl Friborg	21.00
McLaughlin & Day	183.00
Eugene Sigrist	41.82
Guy Robinson	121.96
Griffin & Duguay	727.93
Joseph Carriere	8.00
John J. Griffin	111.00
John Healy	423.98
Adolf Robitaille	243.88
E. C. Voissard	472.00
P. Bellefeuille	24.00
John Sowa	28.00
M. Peloquin	289.49
	$8,614.90

AMOUNTS SPENT EACH MONTH.

January	$604.60
February	753.91
March	750.59
April	748.68
May	701.25
June	808.87
July	811.03
August	821.87
September	861.95
October	853.46
November	898.69
	$8,614.90

INSTITUTIONS AND HOSPITALS.

St. Pierre orphanage	$285.50
Notre Dame orphanage	523.50
St. Joseph orphanage	35.00
St. Patrick orphanage	130.00
St. Vincent de Paul	96.00
Notre Dame academie	90.00
Hillsborough county farm	536.99
Old Ladies' home	296.00
Sacred Heart hospital	49.00
Elliot hospital	26.00
Notre Dame hospital	157.00
Hillsborough County hospital	96.00
Pembroke sanitorium	336.45
	$2,657.44

AMOUNTS SPENT EACH MONTH.

January	$298.73
February	225.79
March	250.25
April	258.68
May	237.50
June	302.95
July	195.37
August	198.37
September	200.08
October	164.27
November	325.45
	$2,657.44

BOARD AND CARE.

Napoleon Chaput	$110.00
Ibraham Cote	120.00
Louisa Houlne	120.00
Francois Douville	20.00
Susie Demick	15.00
Martha Sutton	54.00
John Rivard	8.00
Melvin A. Lewis	120.00
John E. Morse	28.00
A. Draper	80.00
Cora Morrill	46.75
G. M. Brewer	9.86
G. Waith	4.00
Charles W. George	70.00
John Wilson	66.00
Sarah Kincaid	8.00
Fred Beauchemin	80.00
L. B. Whitmore	30.00
Henry A. Bergquist	140.00
John Donnelly	99.00
Ida Scheid	38.00
	$1,266.61

AMOUNTS SPENT EACH MONTH.

January	$102.86
February	109.00
March	127.00
April	113.00
May	99.75
June	119.00
July	115.00

August	$111.00
September	119.00
October	95.00
November	156.00
	$1,266.61

WOOD AND COAL.

J. B. Blanchard	$18.00
Charles Boisclair	47.25
Northern New England	31.75
Henry Weber	12.00
W. E. Dunbar	16.00
Raiche & Prince	40.00
Union Coal Co.	18.00
Moore & Preston	42.78
Napoleon Bournival	12.00
Fellows & Son	7.50
C. A. & A. W. Flint	8.25
D. M. Poore	12.12
M. Dery	25.00
Alec Farland	32.50
Joseph Masse	59.25
Manchester Coal & Ice Co.	39.50
C. E. Lessard	11.00
G. H. Campbell	4.00
C. A. DeCourcy	32.75
William Forrest	55.25
J. E. Hodge	1.75
T. F. Fifield	23.25
G. Duplesis	6.50
J. P. Russell	15.00
	$572.40

AMOUNTS SPENT EACH MONTH.

January	$92.13
February	135.00
March	87.38
April	51.38
May	25.50
June	14.63
July	6.00
August	00.00
September	12.75
October	58.13
November	89.50
	$572.40

RENTS.

Whittier & Foster	$88.00
West Side Lumber Co.	44.00
Mrs. C. Truland	3.00
John Corliss	9.00
Edward O'Hara	20.00
Gedeon N. Belisle	21.00
Edwin Kennedy	27.00
Thomas Hebert	108.00
Mrs. Robert Keefe	16.00
	$336.00

AMOUNTS SPENT EACH MONTH.

January	$32.00
February	24.00
March	35.00
April	17.00
May	30.00
June	21.00
July	15.50
August	42.50
September	42.50
October	24.50
November	52.00
	$336.00

TRANSPORTATION.

Roy & Gadbois	$18.50
W. J. Freeman	4.00
J. W. Russell	3.20
A. J. Woodbury	2.33
	$28.03

AMOUNTS SPENT EACH MONTH.

January	$5.50
February	3.20
March	4.00
April	4.00
August	4.00
September	3.33
November	4.00
	$28.03

CLOTHING.

Caldwell Sisters	$5.11
J. W. Hill Co.	3.14
Amoskeag Clothing Co.	13.45
	$21.70

AMOUNTS SPENT EACH MONTH.

March	$2.00	
April	.50	
May	2.93	
June	3.71	
July	7.00	
October	5.56	
		$21.70

FUNERALS.

Roy & Gadbois	$60.00
Bouffard & Letendre	25.00
F. L. Wallace	50.00
Joseph M. McDonough	10.00
Michel Dery	50.00
	$195.00

AMOUNTS SPENT EACH MONTH.

February	$40.00	
May	25.00	
July	35.00	
August	20.00	
October	50.00	
November	25.00	
		$195.00

SHOES AND RUBBERS.

New Idea Shoe Co.	$14.25
A. T. Beaumier	15.75
Pellerin & Simard	.75
Daniel Shea	1.50
Theophile Gelinas	17.50
E. C. Chagnon & Co.	15.35
Heath Shoe Store	10.30
Gedeon Goselin	6.25
Fred Beauchemin	6.00
Gustave Schlough	2.25
George W. Dodge Shoe Co.	7.00
Ernest M. Cummings	1.85
Family Shoe Store	10.65
	$109.40

AMOUNTS SPENT EACH MONTH.

January	$4.25
February	16.30
March	8.25
April	2.50
May	17.25
June	13.00
July	00.00
August	7.00
September	7.00
October	26.50
November	7.35
	$109.40

MEDICINE.

J. B. Hall Company	$28.10
Kerwin & Sheehan	8.74
Leblanc & Provencher	8.30
Charles Dufort	1.50
A. J. Precourt	26.11
F. C. Miville	3.80
L. G. Gilman	.80
Andrew Leckie	1.55
Oscar Giguere	3.55
Dante Smith	2.05
	$84.50

January	$5.15
February	2.95
March	11.69
April	8.65
May	10.90
June	00.00
July	9.66
August	2.05
September	20.65
October	12.80
November	00.00
	$84.50

MEDICAL AND DENTAL SERVICES, MEDICAL SUPPLIES, ETC.

C. A. Folsom, M. D.	$6.00
M. H. Towle, M. D.	12.00
E. B. Swett, M. D.	6.00

C. W. Milliken, M. D.	$6.00
Clarence O. Coburn, M. D.	5.00
	$35.00

AMOUNTS SPENT EACH MONTH.

February	$5.00
June	12.00
August	18.00
	$35.00
Fred F. Fisher, D. D. S.	$1.50
July	$1.50
John B. Hall Drug Co., medical supplies	$35.40
November	$35.40
Amount paid for bills contracted in 1910	$77.45

OFFICE FIXTURES, SUPPLIES, STATIONERY, ETC.

Appropriation	$950.00

Jan.	20.	To E. H. Chadbourne, P. M.	$4.00
		John B. Clarke Co.	19.75
	11.	James A. Scully	64.00
		W. P. Goodman	13.75
	13.	Smith Premier Typewriter	27.50
		Ruemely Press	26.00
	6.	E. A. Stratton	31.00
	28.	Temple & Farrington	8.50
	31.	N. E. T. & T. Co.	1.66
Feb.	6.	Ideal Stamp Co.	2.25
	16.	W. P. Goodman	2.90
	27.	J. B. Clarke Co.	6.00
	28.	E. H. Chadbourne, P. M.	4.00
		N. E. T. & T. Co.	2.50
March	21.	J. B. Varick Co.	2.50
		L. J. Dionne	2.25
	29.	Kirby Bros.	2.00
	31.	N. E. T. & T. Co.	2.50
April	13.	Carl S. Magoon	.75
May	5.	Charles A. Hoitt Co.	18.75
	10.	E. A. Stratton	9.50
	15.	J. B. Varick Co.	11.80
	30.	N. E. T. & T. Co.	2.50
April	9.	Ideal Stamp Co.	1.50
June	1.	N. E. T. & T. Co.	2.50
	30.	N. E. T. & T. Co.	2.50
	24.	J. B. Varick Co.	160.00
		J. B. Varick Co.	25.00

June	24.	To J. B. Varick Co.....	$0.65	
	27.	Manchester T., L., & P. Co.	23.25	
July	29.	Charles A. Hoitt Co.....	13.99	
	31.	Home Supply Co.....	198.93	
		N. E. T. & T. Co.....	2.50	
Aug.	31.	N. E. T. & T. Co.....	2.50	
		Lemay Bros.....	5.00	
Sept.	12.	E. H. Chadbourne, P. M....	4.00	
	18.	W. P. Goodman.....	3.90	
	20.	Ruemely Press.....	2.00	
	30.	N. E. T. & T. Co.....	2.50	
Oct.	1.	Standard Ice Co.....	6.15	
	12.	E. H. Chadbourne, P. M....	4.00	
		J. B. Varick Co.....	.15	
	31.	N. E. T. & T. Co.....	2.65	
Nov.	30.	N. E. T. & T. Co.....	2.00	
				$732.03
		Balance on hand January 1, 1912.....		$217.97

TRANSPORTATION.

Appropriation			$150.00
Manchester Street Railway.....		$80.00	
Roy & Gadbois.....		45.75	
Boston & Maine R. R.....		20.00	
			145.75
Balance on hand January 1, 1912.....			$4.25

INDIGENT SOLDIERS AND THEIR DEPENDENT FAMILIES.

Amount of appropriation			$500.00
For groceries, Oscar McDuffee.....	$6.00		
M. Verrette.....	88.00		
		$94.00	
For fuel, J. P. Russell.....		6.00	
For rents, M. Molloy.....		120.00	
For medicine, J. B. Hall Co.....		.35	
For board and care Cora B. Morrill..	$16.00		
T. Mitcheson....	120.00		
		136.00	
			356.35
Balance on hand January 1, 1912.....			$143.65

RECAPITULATION.

Total amount of appropriation.....			$18,400.00
Total amount of pauper account.....		$14,035.33	
" " " indigent soldier account		356.35	
" " " office supplies account...		732.03	
" " " transportation account..		145.75	
" " " salaries account.....		1,800.00	

CASH BALANCES.

Total amount of pauper account..	$964.67		
" " " indigent soldiers account	143.65		
Total amount of transportation account	4.25		
Total amount of office supplies account	217.97		
		1,330.54	
		$18,400.00	$18,400.00

REPORT

OF THE

SEALER OF WEIGHTS AND MEASURES.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

Hon. Edward C. Smith, Mayor, Manchester, N. H.:

I hereby submit the following report relative to milk dealers, cans, measures, and other receptacles for the year 1911:

Number of dealers	65
8½-quart cans	3,515
8-quart cans	175
4-quart cans	82
2-quart cans	148
1-quart bottles	15,451
1-pint bottles	6,225
½-pint bottles	1,158
Milk bottles condemned, quarts	149
Milk bottles condemned, pints	43
Milk bottles condemned, three-pints	6
Weighing machines tested and sealed	77
Weighing machines tested and condemned	3

Respectfully submitted,

JOHN E. PILLER,

Sealer of Weights and Measures.

RESOLUTIONS, ORDERS, ORDINANCES.

RESOLUTIONS, ORDERS, ORDINANCES.

RESOLUTION recommending an Appropriation for the Building of a Hose House at Goff's Falls.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of one thousand dollars ($1,000.00) be and is hereby recommended to the board of common council of the city of Manchester as an appropriation for the year 1911; said sum of one thousand dollars ($1,000.00) to be expended for the building of a hose house in Goff's Falls; said sum of one thousand dollars ($1,000.00) to be known as an appropriation for the building of a hose house at Goff's Falls; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed January 31, 1911.

RESOLUTION recommending an Appropriation for Grading a certain part of Wolf Park to be used as a Ball Ground.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of two hundred dollars ($200.00) be and is hereby recommended to the board of common council as an appropriation for the year 1911; said sum of two hundred dollars to be expended for the grading and laying out of a certain part of Wolf park situate in West Manchester, so called, to be used as a ball ground; said sum of two hundred dollars ($200.00) to be known as an appropriation for laying out ball ground in Wolf park; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed January 31, 1911.

RESOLUTION recommending an Appropriation for the Purchase of a Two-Horse Truck for Engine No. 7, situate on Somerville Street.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of twenty-two hundred dollars be and is hereby recommended to the board of common council as an appropriation

for the year 1911; said sum of twenty-two hundred dollars to be used for the purchase of a light two-horse truck with truss ladders for Engine No. 7, situate on Somerville street in the city of Manchester; said appropriation to be known as appropriation for two-horse truck for engine No. 7; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 7, 1911.

RESOLUTION recommending an Appropriation for the Building of an Addition to City Hall.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of ten thousand dollars ($10,000.00) be and is hereby recommended to the board of common council as an appropriation for the year 1911; said sum of ten thousand dollars ($10,000.00) to be used for the building of an addition to city hall; said appropriation to be known as an appropriation for the building of an addition to city hall; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 7, 1911.

RESOLUTION recommending an Appropriation for the Settlement Association.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of three hundred dollars ($300.00) be and is hereby recommended to the board of common council as an appropriation for the year 1911; said sum of three hundred dollars ($300.00) to be used for the benefit of the Settlement association; said appropriation to be known as an appropriation for the Settlement association; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 7, 1911.

RESOLUTION recommending an Appropriation for the District Nursing Association of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of three hundred dollars ($300.00) be and is hereby recommended to the board of common council as an appropriation

for the year 1911; said sum of three hundred dollars to be used for the benefit of the District Nursing association of the city of Manchester; said appropriation to be known as appropriation for the District Nursing Association of the city of Manchester; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 7, 1911.

RESOLUTION relating to the Exemption from Taxation of the Factory Building and Annexes to be erected or put in operation by the Leighton Machine Company.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, It is provided by section 11, chapter 55, of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town," and

WHEREAS, The Leighton Machine company proposes to build a factory building, annexes thereto, and to install therein additional machinery, situated on land at the corner of Kingston and Haywood streets in said Manchester, and there to operate a manufacturing establishment, the same to be operated with machinery for manufacturing purposes, therefore be it

Resolved, That the said factory building and annexes thereto, on land at the corner of Kingston and Haywood streets proposed to be erected and put in operation on said premises, be exempted from taxation for a period of ten years from the 31st day of March, 1911, provided, however, that the said Leighton Machine company pay to the city of Manchester annually the amount of the state and county tax due in respect to said factory building and annexes from said city of Manchester to the state of New Hampshire and the county of Hillsborough, as required by an act of the legislature of said state, approved April 9th, 1909, and entitled "An act in amendment of section 11 of chapter 55 of the Public Statutes, relating to tax exemption," and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 7, 1911.

RESOLUTION recommending an Appropriation for the Building of an Addition to the City Library.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of five thousand dollars ($5,000.00) be and is hereby recommended to the board of common council as an appropriation for the year 1911; said sum of five thousand dollars ($5,000.00) to be used for the building of a one-story addition to the north side of the city library, to be used as a children's room; said appropriation to be known as an appropriation for the building of an addition to the city library; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed February 17, 1911.

RESOLUTION recommending an Appropriation for the Purchase of a Chemical Automobile for the Fire King Station.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of six thousand dollars ($6,000.00) be and is hereby recommended to the board of common council of the city of Manchester as an appropriation for the year 1911; said sum of six thousand dollars ($6000.00) to be expended for the purchase of a chemical automobile large enough to carry twelve hundred feet of water hose and equipped with two thirty-five-gallon chemical tanks; said chemical automobile to be installed in the Fire King station, West Manchester, in place of the combination wagon now installed therein and drawn by horses; said sum of six thousand dollars ($6,000.00) to be known as an appropriation for the purchase of a chemical automobile for the Fire King station; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 7, 1911.

RESOLUTION recommending an Appropriation for the Purchase of a Chemical Automobile for the Fire King Station.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of six thousand dollars ($6,000.00) be and is hereby recommended to the board of common council of the city of Manchester as an appropriation for the year 1911; said sum of six thousand dollars ($6,000.00) to be expended for the purchase of a chemical automobile large enough to carry twelve hundred feet of water hose and equipped with two thirty-five-gallon chemical tanks; said

chemical automobile to be installed in the Fire King station, West Manchester, in place of the combination wagon now installed therein and drawn by horses; said sum of six thousand dollars ($6,000.00) to be known as an appropriation for the purchase of a chemical automobile for the Fire King station; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 7, 1911.

RESOLUTION relating to securing Free Transportation on the Street Railway for the Permanent and Call Members of the Manchester Fire Department When Attending Fires.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor and standing committee on fire department be and are hereby authorized to confer with the Manchester Traction, Light and Power company for the purpose of securing free transportation on the street railway for the permanent members of the Manchester fire department when in uniform and also for the call members of said fire department when going to and returning from fires; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 24, 1911.

RESOLUTION making a Temporary Loan of Three Hundred Thousand Dollars ($300,000.00) in Anticipation of the Taxes of the Present Year.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That for the purpose of paying such claims against the city of Manchester as may fall due before the twenty-first day of December, 1911, the city treasurer of said city be and is hereby authorized and empowered to make such temporary loans from time to time for the use of the said city, of sums not exceeding the aggregate amount of three hundred thousand dollars ($300,000.00); said loans being in anticipation of the taxes of the present year and hereby expressly made payable therefrom; said treasurer giving for the said loans the notes of the said city bearing the authenticating certificate of the Old Colony Trust company of Boston, Mass.; said notes to be signed by the said treasurer and countersigned by the mayor of said Manchester and payable within one year from their respective dates; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed March 24, 1911.

RESOLUTION relative to the Exemption from Taxation of certain Manufacturing Establishment and the Business Connected Therewith Conducted by W. H. McElwain Company.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, It is provided by section 11, chapter 55, of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein and the capital to be used in operating the same, unless such establishment has been previously exempted by some town," and

WHEREAS, By a resolution of the mayor and aldermen of the city of Manchester adopted November 10, 1908, all the machinery, stock in trade, and other property which might be owned or used by W. H. McElwain company, at that time incorporated under the laws of the state of Maine, in any manufacturing establishment operated by it in the Eureka Shoe Factory building and Kimball Carriage Company building, so called, for the manufacture of boots and shoes, and various shoe findings and supplies used in connection with the manufacture of boots and shoes, together with the capital to be used in operating the same, and the business connected therewith, were exempted from taxation for a period of ten years from November 1, 1908, and

WHEREAS, W. H. McElwain company is now incorporated under the laws of the commonwealth of Massachusetts, therefore be it

Resolved, That all machinery, stock in trade, and other property which is owned or used or may be owned or used by said W. H. McElwain Company, incorporated under the laws of the commonwealth of Massachusetts in its manufacturing establishments in said Eureka Shoe Factory building and in said Kimball Carriage Company building for the manufacture of boots and shoes and the different parts of boots and shoes and various shoe findings and supplies used in connection with the manufacture of boots and shoes, and the capital used or to be used in operating the same and the business connected therewith, be exempted from taxation until October 31, 1918, being the unexpired balance of the term of the exemption granted to W. H. McElwain Company dated November 10, 1908:

Provided, however, That this resolution is upon the condition that W. H. McElwain Company, incorporated under the laws of the commonwealth of Massachusetts, pay to the city of Manchester annually the amount of the state and county taxes upon all of the property of said W. H. McElwain Company exempted from taxation hereby or heretofore exempted from taxation directly or indirectly; further

Resolved, That this resolution shall take effect upon its passage.

Passed March 24, 1911.

RESOLUTION relative to the Exemption from Taxation of Certain Manufacturing Establishments and the Business Connected Therewith, Proposed to be Erected and Conducted by W. H. McElwain Company.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, It is provided by section 11, chapter 55, of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein and the capital to be used in operating the same, unless such establishment has been previously exempted by some town," and

WHEREAS, W. H. McElwain Company, a corporation organized under the laws of the commonwealth of Massachusetts, proposes to erect upon its premises in the city of Manchester buildings for the purpose of manufacturing, and to operate manufacturing establishments therein, and for that purpose to bring to Manchester and to use additional machinery, stock in trade, capital, and other property, therefore be it

Resolved, That any buildings for the purpose of manufacturing which may be erected in the city of Manchester before the first day of April, 1912, by said W. H. McElwain Company, incorporated under the laws of the commonwealth of Massachusetts, and the manufacturing establishments proposed to be put in operation therein, including the machinery, stock in trade, and other property which may be owned or used by W. H. McElwain Company in its said establishments, and the capital to be used in operating the same, and the business connected therewith, be exempted from taxation for a period of ten years from the first day of April, 1911, provided the said buildings have been completed and the said manufacturing establishments are in operation therein on the first day of April, 1912, and provided also that W. H. McElwain Company shall pay to the city of Manchester annually the amount of the state and county taxes due upon all said property during the term of the exemption; further

Resolved, That this resolution shall take effect upon its passage.

Passed March 24, 1911.

RESOLUTION relating to Interest on Deposits of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the moneys of the city of Manchester be deposited in such bank or banks in said city as shall pay the largest rate of interest

to said city of Manchester upon daily balances in said bank or banks from the first day of May, 1911, to the first day of May, 1912; and that the city treasurer be and hereby is instructed to advertise for bids from the banks of the city of Manchester by sending to each of said banks a copy of this resolution; the city of Manchester, by its agent, the treasurer of said city, reserving the right to reject any and all bids and call for such other bids as may be necessary to carry out the intent of this resolution; and be it further

Resolved, That the mayor and the treasurer of said city of Manchester are hereby authorized and empowered to accept such bid or bids as will give the city of Manchester the largest rate of interest upon the daily balances on deposits of the moneys of said city of Manchester in said bank or banks from the first day of May, 1911, to the first day of May, 1912; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 4, 1911.

RESOLUTION relating to the Revision of the Laws and Ordinances of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That a committee of three be appointed to act in conjunction with the mayor and city solicitor for the purpose of compiling the city ordinances so that the said ordinances shall conform to such state or city legislation as may have been passed since the last revision of said ordinances; said compilation to be for the purpose of furnishing the board of mayor and aldermen the ordinances as in force to date and subject to such revision as may seem for the best interests of the city; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 28, 1911.

RESOLUTION relating to the revision of the Laws and Ordinances of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the special committee appointed April 28, 1911, to act in conjunction with the mayor and city solicitor for the purpose of revising the laws and ordinances of the city of Manchester be and is hereby authorized and empowered to investigate the various city departments for the purpose of obtaining such information in regard to

said departments as may be deemed necessary by said committee in the revision of said laws and ordinances; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed May 29, 1911.

RESOLUTION relating to the Public Parks and Playgrounds of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor and a committee of three from the board of aldermen be appointed for the purpose of investigating the public parks and playgrounds of the city of Manchester with a view to the betterment and enlargement of the same, and that the board of common council be requested to appoint a committee consisting of the president and five members of said council to act in conjunction with said committee from the board of mayor and aldermen; and be it further

Resolved, That said committee complete the investigation and report not later than January, 1912; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed May 29, 1911.

RESOLUTION relating to the Exemption from Taxation of the Eighty-Five Thousand Dollars School Bonds and the Sixty Thousand Dollars Bridge Bonds, Proposed to Be Issued July 1, 1911.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, by an act of the legislature approved March 13, 1907, "any city, town, precinct or village district may exempt from taxation any future issue of its bonds, provided such exemption shall apply only to bonds owned and held by citizens of said city, town, precinct or village district"; therefore be it

Resolved, That the eighty-five thousand dollars ($85,000.00) school bonds proposed to be issued under date of July 1, 1911, and the sixty thousand dollars ($60,000.00) bridge bonds proposed to be issued under date of July 1, 1911, be and are hereby exempted from taxation when owned and held by citizens of said Manchester; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed May 29, 1911.

RESOLUTION relating to the Building of a New City Hall.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, By the expenditure of a moderate sum of money the present city hall can be made adequate for all city purposes for a term of fifteen to twenty years; and

WHEREAS, The rapid growth of the city of Manchester will necessitate the expenditure of large sums of money if the needs of the present and future are to be in a measure satisfied; therefore be it

Resolved, That it is the opinion of the board of mayor and aldermen that the incurring of a large bonded indebtedness by said city for the purpose of building a new city hall at the present time is inadvisable.

Passed May 29, 1911.

RESOLUTION relating to the Exemption from Taxation of the National Woodworking Machinery Company, a Manufacturing Establishment, and the Capital to Be Used in Operating the Same.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, It is provided by section 11, Chapter 55, of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten (10) years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town," and

WHEREAS, The National Woodworking Machinery Company proposes to put in operation a manufacturing establishment in said Manchester, therefore be it

Resolved, That the said National Woodworking Machinery Company, proposed to be put in operation in said Manchester, and the capital to be used in operating the same and the business connected therewith, be exempted from taxation for a period of ten (10) years from the first day of August, 1911; provided, however, that said National Woodworking Machinery Company pay to the city of Manchester, annually, the amount of the state and county tax due in respect to said manufacturing establishment from said city of Manchester to the state of New Hampshire and the county of Hillsborough, as required by an act of the legislature of said state, approved April 9, 1909, and entitled "An act in amendment of section 11 of Chapter 55 of the Public Statutes relating to tax exemptions"; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed June 26, 1911.

RESOLUTION relating to the Exemption from Taxation of the Eighteen Thousand Dollars School Bonds Proposed to Be Issued July 1, 1911.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, By an act of the legislature approved March 13, 1907, "any city, town, precinct or village district may exempt from taxation any future issue of its bonds, provided such exemption shall apply only to bonds owned and held by citizens of said city, town, precinct or village district"; therefore be it

Resolved, That the eighteen thousand dollars ($18,000.00) school bonds proposed to be issued under date of July 1, 1911, be and are hereby exempted from taxation when owned and held by citizens of said Manchester; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed June 26, 1911.

RESOLUTION relating to the Lincoln Memorial Statue.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the Lincoln Memorial Association of the city of Manchester be and is hereby authorized to place two bronze, or other tablets, on the east and west sides of the base of the Lincoln statue located on the grounds of the Manchester high school in said Manchester; said tablets to read "With charity for all" and "With malice toward none"; said work to be done under the supervision of the mayor; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed June 26, 1911.

RESOLUTION relating to a Site for a Hose House in Goff's Falls.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, Albert N. Nettel will deed to the city of Manchester a certain lot of land situate on Brown avenue for the use of said city for fire purposes; and

WHEREAS, The lot is a desirable one for the location for a hose house; then be it

Resolved, That the mayor be authorized to accept the said lot in behalf of the city of Manchester under the conditions named; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed June 26, 1911.

RESOLUTION Relating to an Extension to the Pine Grove Cemetery.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the action of the subtrustees of the Pine Grove cemetery in purchasing land from Addie M. and Frank W. Mitchell be and the same is hereby ratified, confirmed and approved, and that said land so purchased be and the same hereby is laid out as and for a part of and extension to the Pine Grove cemetery; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed July 11, 1911.

RESOLUTION relating to a New Central Fire Station and a Fire-Proof Fire-Alarm Building.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the committees on lands and buildings and fire department be and are hereby authorized and empowered to investigate the needs of a new central fire station with a fireproof building for the installation of an up-to-date fire-alarm telegraph system; and be it further

Resolved, That the said committees be and are hereby empowered to secure plans and specifications, together with the approximate cost of said buildings, and submit the same with a detailed report to the board of mayor and aldermen not later than December 5, 1911; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed August 14, 1911.

RESOLUTION relating to the Protection of the Railroad Crossing of the North Weare Branch of the Boston & Maine Railroad on South Main Street in the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The railroad crossing of the North Weare branch of the Boston & Maine railroad on South Main street in West Manchester is without adequate protection to the public; and

WHEREAS, The traffic on the said South Main street at this point is heavy; and

WHEREAS, Several accidents at this crossing have been narrowly averted; therefore be it

Resolved, By the board of mayor and aldermen that the said Boston & Maine railroad be and is hereby ordered to protect the said crossing by erecting and maintaining gates across the said highway.

Passed August 14, 1911.

RESOLUTION relating to Securing Additional Counsel to Defend the City of Manchester in the Landry Suit.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor be and is hereby authorized to secure such additional counsel to assist the city solicitor in defending the city of Manchester in the Landry suit now entered in court, as he may deem advisable; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed September 18, 1911.

RESOLUTION relating to the Protection of Certain Railroad Crossings of the Manchester and Lawrence and Manchester and Portsmouth Branches of the Boston & Maine Railroad in the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, Certain railroad crossings of the Manchester and Lawrence and Manchester and Portsmouth branches of the Boston & Maine railroad in the city of Manchester are without adequate protection to the public; and

WHEREAS, Accidents at these crossings have occurred for this reason, therefore be it

Resolved, By the board of mayor and aldermen that the said Boston & Maine railroad be and is hereby ordered to install and maintain alarm signals, so called, at the points where South Beech street and Baker street are crossed by the Manchester and Lawrence railroad and at the points where Willow street, Union street, Beech street, Maple street, Lincoln street, Valley street, Belmont street, Taylor street, J. Hall road, Mammoth road, and Page street are crossed by the Manchester and Portsmouth railroad; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed October 3, 1911.

RESOLUTION relating to the Seating of Arthur W. Dinsmore as Alderman of Ward Eight in the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The Supreme Court of the state of New Hampshire having decided that Arthur W. Dinsmore was duly elected alderman of Ward Eight in said Manchester at the biennial election held in said ward on the eighth day of November, 1910; and

WHEREAS, Gustave F. Wenzel was seated as such alderman by the board of mayor and aldermen of said Manchester; therefore be it

Resolved, That a vacancy in the office of alderman of said ward be and is hereby declared; and be it further

Resolved, That Arthur W. Dinsmore be and is hereby seated as alderman of said ward; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed November 7, 1911.

RESOLUTION relating to the Manchester Fire and Police Departments of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the thanks of the Manchester city government be and is hereby extended to the Manchester fire department for the opportunity afforded the said government and the residents of said city to inspect said department; and be it further

Resolved, That the government of said city hereby extend its congratulations to said department for the splendid appearance and condition of its officers, permanent men, call men, horses and apparatus upon the occasion of the said inspection held November 4, 1911; and be it further

Resolved, That the thanks of said government be and are hereby extended to the Manchester police department for the efficient service rendered in maintaining order during said inspection, and its successful carrying out of the police regulations of the day to the end that any possibility of accidents was avoided; and be it further

Resolved, That a copy of this resolution be sent to the heads of said departments, and that this resolution shall take effect upon its passage.

Passed November 7, 1911.

RESOLUTION relative to the Changing of the Location of the Sidetrack of the Manchester and Lawrence Branch of the Boston & Maine Railroad Situate on Elm Street in Said Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That for the better accommodation of the public the Boston & Maine railroad, as lessee of the Manchester and Lawrence railroad, be and is hereby granted leave to change the sidetrack of the said Manchester and Lawrence railroad from its present location, viz., over Elm street across the tracks of the Manchester street railway at grade to the premises of the Head & Dowst company upon the east side of Elm street, by moving the said sidetrack to a location thirty-two feet northerly along the central line of the said Manchester street railway on Elm street; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed December 7, 1911.

RESOLUTION relative to the Stopping of the Manchester and Concord Line of Street Cars upon Signal While Said Cars Are Upon the Tracks of the Manchester Street Railway.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the Manchester street railway be and is hereby ordered to stop the cars of the Manchester and Concord line of the Boston & Maine railroad while upon the tracks of the Manchester street railway in the city of Manchester, upon signal, for the taking on or discharge of passengenrs, as are all other cars of the Manchester street railway, until such time as Bridge street shall be double tracked; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed December 11, 1911.

RESOLUTION relative to Expenses Incurred by Arthur W. Dinsmore for Counsel Fees in Preparing and Presenting Petition to the Supreme Court.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, On January third, 1911, a petition was presented by Arthur W. Dinsmore to the board of mayor and aldermen setting forth that the said Dinsmore believed himself to have been elected as alderman from Ward Eight at an election held on November 8,

1910, and praying that he be seated as the said alderman from the said Ward Eight; and

WHEREAS, The board of mayor and aldermen, after consideration of the petition of said Dinsmore, gave the said petitioner leave to withdraw; and

WHEREAS, The Supreme Court, being petitioned by the said Arthur W. Dinsmore, rendered its decision that the said Dinsmore was duly elected alderman from Ward Eight at the said election held on November 8, 1910, and entitled to his seat in the board of mayor and aldermen; and

WHEREAS, Said Arthur W. Dinsmore was seated and duly sworn as alderman from the said Ward Eight at a meeting of the board of mayor and aldermen held November 7, 1911; therefore be it

Resolved, That the said Arthur W. Dinsmore be allowed the sum of one hundred eighty-three dollars, the said sum of one hundred eighty-three dollars being the amount paid by the said Dinsmore to counsel for preparing and presenting his petition to the Supreme Court of the state of New Hampshire; said sum of one hundred eighty-three dollars to be charged to the appropriation for incidental expenses; and be it further

Resolved, That this resolution take effect upon its passage.

Passed December 11, 1911.

RESOLUTION relating to the Discontinuance of a Highway Between the Westerly Line of Willow Street and the Easterly Line of Elm Street.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That, in the opinion of this board, the public highway now or formerly known as the Nutt road, extending from the westerly line of Willow street in a northwesterly direction to the easterly line of Elm street, is no longer needed for the accommodation of the public travel; therefore be it

Resolved, That all that highway lying between the westerly line of Willow street and the easterly line of Elm street be and the same is hereby discontinued, and that damages of one cent be awarded to each of the following, viz.: The Amoskeag Manufacturing company and the Manchester Coal and Ice company; provided, however, that the right to maintain its trunk line sewer now in said highway be reserved to the city of Manchester, with the right to enter, dig, and repair the same, and that any building that may be hereafter erected over said sewer shall be built under the supervision of the board of public works; and

WHEREAS, Said highway became a public highway by more than twenty years' public use, therefore be it

Resolved, That application be made in the name of the city of Manchester to the Superior Court for the county of Hillsborough for the consent of said court to said discontinuance; therefore be it further

Resolved, That this resolution take effect upon its passage.

Passed December 22, 1911.

AN ORDER to purchase Three Thousand Feet of Hose for use in the Fire Department of the City of Manchester.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase three thousand feet of hose for the use of the fire department of the city of Manchester, the expense thereof not to exceed the appropriation for that purpose and the expense thereof to be charged to the appropriation on fire department.

Passed February 17, 1911.

AN ORDER to purchase Ten Horses for use in the Fire Department.

Ordered, That the mayor and standing committee on fire department be and are hereby authorized and empowered to purchase ten horses for use in the fire department of the city of Manchester, the expense thereof to be charged to the appropriation for fire department.

Passed February 17, 1911.

AN ORDER to print the Sixty-Fifth Annual Report of the Receipts and Expenditures of the City of Manchester.

Ordered, That the committee on finance be and is hereby authorized to procure for the use of the inhabitants of said city the printing of the sixty-fifth annual report of the receipts and expenditures of the city of Manchester, including the reports of the city auditor, the school board and superintendent of schools, superintendent of water works, water commissioners, engineers of fire department, overseers of the poor, trustees, librarian and treasurer of the city library, committee on cemeteries, committee on city farm, city physician, city solicitor, chief engineer, street and park commissioners, and such other matter relative to city affairs as said finance committee may direct; the expense thereof to be charged to the appropriation for printing and stationery.

Passed February 17, 1911.

AN ORDER relating to Repairs on Public Buildings.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to make such necessary repairs in and upon the public buildings of said city as shall not exceed the appropriation for that purpose; the expense thereof to be charged to the appropriation for repairs on public buildings.

Passed February 17, 1911.

AN ORDER to purchase Hay, Straw, and Grain for use in the Fire Department.

Ordered, That the mayor and standing committee on fire department be and are hereby instructed to purchase all hay, straw, and grain used in the fire department of the city of Manchester for the ensuing year; the expense thereof to be charged to the appropriation for fire department.

Passed February 17, 1911.

AN ORDER to re-wire the Arches on Elm Street.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to have the ten electric arches on Elm street re-wired and equipped with low voltage Tungsten lamps; the expense thereof to be divided into twenty-four equal payments and charged to the appropriation for lighting streets.

Passed February 17, 1911.

AN ORDER to equip the Aerial Truck with an Automatic Hoist.

Ordered, That the mayor and standing committee on fire department be and are hereby authorized and empowered to equip the aerial truck with an automatic hoist and to make such further alterations and repairs upon said truck as the said mayor and committee may deem advisable; the expense thereof to be charged to appropriation for fire department.

Passed April 28, 1911.

AN ORDER to purchase a Light Two-Horse Truck for Engine No. 7.

Ordered, That the mayor and standing committee on fire department be and are hereby authorized and empowered to purchase a light two-horse truck equipped with truss ladders, the same to be situated at Engine No. 7; the expense thereof to be charged to the appropriation for fire department.

Passed April 28, 1911.

AN ORDER to erect a Hose House in Goff's Falls, so called, in said Manchester.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to build a hose house in Goff's Falls, so called, in said Manchester; the expense thereof not to exceed the sum of one thousand dollars and to be charged to the appropriation for hose house for Goff's Falls; said hose house to be located by the mayor and committee on fire department.

Passed May 19, 1911.

AN ORDER to erect a new Ten-Room Schoolhouse in the Rimmon District and a new Eight-Room Schoolhouse at the northeast corner of Union and Merrimack Streets, so called, in said Manchester.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to call for plans and specifications and to do everything necessary for the building and equipping of a new ten-room schoolhouse in the Rimmon district, so called, and a new eight-room schoolhouse at the northeast corner of Union and Merrimack streets, so called; said mayor and committee to act in conjunction with a like committee of four of the school board, as required by the public statutes; the expense thereof not to exceed the appropriations for said schoolhouses and to be charged to the same.

Passed May 19, 1911.

AN ORDER to build a Boys' and Girls' Reading Room as an addition to the City Library Building, so called, in said Manchester.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to call for plans and specifications and to do everything necessary for the building and equipping of a boys' and girls' reading room as an addition to the city library building, so called, in said Manchester; the expense thereof not to exceed the sum of five thousand dollars and to be charged to the appropriation for city library addition.

Passed May 19, 1911.

AN ORDER in relation to the Decoration of Soldiers' Graves.

Ordered, That the Louis Bell Post, No. 3, G. A. R., be and is hereby authorized and empowered to expend the sum of four hundred dollars for the decoration of soldiers' graves of the said Louis Bell

Post and the Spanish American War Veterans; said sum of four hundred dollars to be charged to the appropriation for Louis Bell Post, G. A. R. (decoration of soldiers' graves); and that the Joseph Freschl Post, G. A. R., be and is hereby authorized and empowered to expend the sum of one hundred dollars for the decoration of soldiers' graves of the said Joseph Freschl Post; said sum of one hundred dollars to be charged to the appropriation for Joseph Freschl Post, G. A. R. (decoration of soldiers' graves); said sums of four hundred dollars and one hundred dollars to be expended under the direction of the mayor.

Passed May 19, 1911.

AN ORDER to erect a Subway Comfort Station on Merrimack Common, so called, in said Manchester.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to call for plans and specifications and to do everything necessary within the legal rights of said mayor and committee for the building of a subway comfort station, to be located on Merrimack common, so called, opposite Pleasant street and fronting on Elm street; the expense thereof not to exceed the sum of ten thousand dollars and to be charged to the appropriation for subway comfort, Merrimack common.

Passed May 19, 1911.

AN ORDER relating to Band Concerts.

Ordered, That the mayor be and is hereby authorized and empowered to expend the present year for open-air band concerts an amount not exceeding four hundred dollars; said sum of four hundred dollars to be divided equally between the Lafayette band, City band, Turner Brass band, and the Cadet band; said sum of four hundred dollars to be charged to the appropriation for band concerts; and it is hereby ordered that the mayor be authorized and empowered to expend an additional sum of one hundred dollars, to be expended for two band concerts to be given by the Lithuanian Kareivies band, the cost of each concert not to exceed the sum of fifty dollars and the expense of said two concerts to be charged to the appropriation for incidental expenses.

Passed June 26, 1911.

AN ORDER to install Three Fire-Alarm Boxes.

Ordered, That the committee on fire department be and is hereby authorized and empowered to install three fire-alarm boxes, with

proper fixtures for operating the same; the expense thereof to be charged to the appropriation for fire department; said fire alarm boxes to be located as follows:

Corner of Rockland avenue and Shirley street;
Corner of Oakland avenue and Woodland avenue;
Corner of Mammoth road and Hanover street.

Passed June 26, 1911.

AN ORDER to build a Certain Sewer in Mammoth Road, 500 Feet North of the Sewer Line of Nelson Street to the Sewer Line of Hanover Street.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at a point five hundred (500) feet north of the sewer line of Nelson street, thence in a northerly direction to the sewer line of Hanover street in Mammoth road in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 26, 1911.

AN ORDER to build a certain Sewer in Merrimack Street from Cass Street Easterly 150 Feet.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Cass street; thence in an easterly direction one hundred fifty (150) feet in Merrimack street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 26, 1911.

AN ORDER to build a certain Sewer in Woodbine Avenue from Longwood Avenue to Candia Road.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Longwood avenue, thence in a southerly direction to the sewer line of Candia road in Woodbine avenue in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 26, 1911.

AN ORDER to build a certain Sewer in Taylor Street from Dix Street to Cilley Road.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the

sewer line of Dix street, thence in a southerly direction to the sewer line of Cilley road in Taylor street in said city; and the expense thereof be charged to the appropriation for new sewers.

Passed June 26, 1911.

AN ORDER to build a certain Sewer in Dix Street from Maple Street to Lincoln Street.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Maple street and thence in an easterly direction to the sewer line of Lincoln street, in Dix street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed August 14, 1911.

AN ORDER to build a certain Sewer in Highland Street from East High Street to Lowell Street.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of East High street; and thence in a southerly direction to the sewer line of Lowell street in Highland street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed August 14, 1911.

AN ORDER to build a certain Sewer in Second Street, Bell Street southerly.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the terminus of the present sewer in Second street south of Bell street, and thence in a northerly direction to the sewer line of Bell street in Second street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed August 14, 1911.

AN ORDER to build a certain Sewer in Bell Street from Second Street to Hale Street.

Ordered, That the board of public works be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Second street and thence in a westerly direction to the

sewer line of Hale street in Bell street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed August 14, 1911.

AN ORDER to install Seven Tungsten Lights.

Ordered, That the mayor and committee on lighting streets be and are hereby authorized and empowered to install seven Tungsten lights with proper fixtures for operating the same; the expense thereof to be charged to appropriation for lighting streets, said lights to be located as follows:

Corner of Mill and Second streets, as petitioned for by John H. Hamer, *et al.*;

Corner of Ash and Brook streets, as petitioned for by A. M. White, *et al.*;

On Merrimack street between Wilson and Hall streets, as petitioned for by E. M. Holmes, *et al.*;

On Baker street at the railroad crossing of the Manchester and Lawrence railroad, as petitioned for by Rev. F. X. Lyons;

Corner of Blucher and Sullivan streets, as petitioned for by Henry Volkman, *et al.*;

On northerly walk of Merrimack common at about two thirds the distance from the monument to Merrimack street;

On the easterly walk of Merrimack common at about two thirds the distance from the monument to Chestnut street.

Passed August 14, 1911.

AN ORDER to discontinue Three Electric Lights now installed on McGregor Bridge and substitute Seven Tungsten Lights in place thereof.

Ordered, That the mayor and committee on lighting streets be and are hereby authorized and empowered to discontinue three electric lights now installed on McGregor bridge and install in place thereof seven Tungsten lights; the expense thereof to be charged to appropriation for lighting streets.

Passed August 14, 1911.

AN ORDER to establish the Grade of South Elm Street from Station 5 to Station 14-50.

Ordered, That the grade shall be as follows:

Station 0 is on the center line of South Elm street at right angles to the highway bound at the intersection of the southerly line of Baker street with the easterly line of South Elm street. The

elevations given are on the center line of South Elm street. The easterly and westerly curb elevations are level with the center line elevations and at right angles with said center line.

(See original order for engineer's measurements.)

Passed August 14, 1911.

AN ORDER to build a certain Sewer in Ray Street from Carpenter Street to Trenton Street.

Ordered, That the board of pubilc works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Carpenter street, and thence in a northerly direction to the sewer line of Trenton street, in Ray street, in said city, and the expense thereof to be charged to the appropriation for new sewers.

Passed September 18, 1911.

AN ORDER to install Nine Tungsten Lights and One Electric Arc Light.

Ordered, That the mayor and committee on lighting streets be and are hereby authorized and empowered to install nine Tungsten and one electric arc lights, with proper fixtures for operating the same; the expense thereof to be charged to appropriation for lighting streets, said lights to be located as follows:

Two Tungsten lights on Bridge street between Highland street and Mammoth road, petition of Andrew G. Johnson, *et al.*;

Tungsten light on Riley avenue opposite No. 74, petition of Peter Callaghan, *et al.*;

Tungsten light at the corner of Wilton street and Notre Dame avenue, petition of John Bremmer, *et al.*;

Tungsten lights at the corner of Granite and Winter streets, petition of Gustav F. Wenzel;

Tungsten light at the corner of Leggett's court and Martin lane, petition of Robert Leggett, *et al.*;

Tungsten light at the corner of Chestnut and Sagamore streets, petition of John H. Gleason, *et al.*;

Tungsten light at the corner of Second and School streets, petition of W. H. Loughlin, *et al.*;

Tungsten light at the corner of Hevey and Amory streets, petition of Ubald Hebert, *et al.*;

Electric arc light on South Elm street midway between the electric lights situate at the corner of Elm and Auburn streets and opposite No. 341 Elm street.

Passed October 13, 1911.

AN ORDER to discontinue an Electric Arc Light and install a Tungsten Light in Place Thereof.

Ordered, That the mayor and the committee on lighting streets be and are hereby authorized and empowered to discontinue an electric arc light at the corner of Bridge and Highland streets and install a Tungsten light in place thereof, with proper fixtures for operating the same; the expense thereof to be charged to appropriation for lighting streets.

Passed October 13, 1911.

AN ORDER to build a certain Sewer in Valley Street, East of Jewett Street, to Massabesic Street.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the easterly terminus of the sewer in Valley street east of Jewett street and thence in an easterly direction to the sewer line of Massabesic street in Valley street in said city; and the expense thereof charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to build a certain Sewer in Russell Street from Sagamore Street to Blodget Street.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Sagamore street and thence in a southerly direction to the sewer of Blodget street in Russell street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to build a certain Sewer in Kelley Street from Laval Street to Boutwell Street.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Laval street and thence in a westerly direction to the sewer line of Boutwell street in Kelley street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to build a certain Sewer in Laval Street, Kelley Street Northerly.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Kelley street and thence in a northerly direction one thousand (1,000) feet in Laval street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to build a certain Sewer in Boutwell Street, Kelley Street Northerly.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Kelley street and thence in a northerly direction one thousand (1,000) feet in Boutwell street in said city; and the expense thereof charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to build a certain Sewer in Boutwell Street from Kelley Street 250 Feet Southerly.

Ordered, That the board of public works be and is hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Kelley street and thence in a southerly direction two hundred and fifty (250) feet in Boutwell street in said city; and the expense thereof charged to the appropriation for new sewers.

Passed November 7, 1911.

AN ORDER to install Six Tungsten Lights.

Ordered, That the mayor and committee on lighting streets be and are hereby authorized and empowered to install six Tungsten lights, with proper fixtures for operating the same; the expense thereof to be charged to appropriation on lighting streets; said lights to be located as follows:

Corner of North River road and south entrance to Stark park;
Corner of Granite and Barr streets;
Corner of Hospital avenue and Cypress street;
On Island Pond road about one hundred feet west of Downing's residence;
On Island Pond road on hill at Coleman's residence;
On Island Pond road opposite Webster's residence at the three corners.

Passed November 17, 1911.

AN ORDER to install a Welsbach Gasoline Light.

Ordered, That the committee on lighting streets be and is hereby authorized to install a Welsbach gasoline light, with proper fixtures for maintaining the same; the expense thereof to be charged to appropriation for lighting streets, said light to be located as follows:

Corner of Island Pond road and Lake Shore road.

Passed December 11, 1911.

AN ORDER relating to the Printing and Binding of the Revised Laws and Ordinances of the City of Manchester.

Ordered, That the committee on finance be and is hereby authorized and empowered to call for bids for the printing and binding of the Laws and Ordinances of the City of Manchester, as revised and adopted by the board of mayor and aldermen August 1, 1911, together with subsequent amendments thereto; the said committee is further authorized and empowered to do everything necessary to have five hundred copies, more or less, printed for the use of the inhabitants of said city; the expense thereof to be charged to appropriation for revision of ordinances.

Passed December 11, 1911.

AN ORDER to install Eight Tungsten Lights.

Ordered, That the committee on lighting streets be and is hereby authorized to install eight Tungsten lights, with proper fixtures for maintaining the same; the expense thereof to be charged to appropriation for lighting streets, said lights to be located as follows:

On Hanover street, south side, midway between Pine and Union streets;

Corner of Candia road and Lovering street;

Corner of East High and Highland streets;

Corner of Liberty and North streets;

On Sagamore street, midway between Smyth road and Russell street;

On North River road opposite residence of Charles E. Rowell;

On North River road near residence of C. E. Quimby;

On Willow street about five hundred feet south of Weston road.

Passed December 11, 1911.

AN ORDINANCE changing the names of certain Streets in the City of Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the name of Annabell street, from Mast road to Rockland avenue, be and is hereby changed to Lamprey street.

SECT. 2. This ordinance shall take effect upon its passage.

Passed April 4, 1911.

AN ORDINANCE relating to the inspection by the Board of Health of all Public, Parochial, and Private Schools of the City of Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the board of health shall inspect all the public, parochial, and private schools of the city for vaccination, contagious or communicable diseases, and other ailments or conditions which hinder the efficiency of school work or endanger the public health; and to perform this duty may employ medical inspectors, prescribe their duties, term of service, and fix their compensation.

SECT. 2. This ordinance shall take effect upon its passage and all ordinances or parts of ordinances inconsistent therewith are hereby repealed.

Passed May 2, 1911.

AN ORDINANCE changing the names of certain Streets in the City of Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the name of Jewett street, from Lowell street to East High street, be and is hereby changed to Burgess street.

SECT. 2. This ordinance shall take effect upon its passage.

Passed May 29, 1911.

AN ORDINANCE in amendment of Section 463 of the Building Code of the City of Manchester relating to St. Cecilia Hall at the corner of Beech Street and Lake Avenue, so called, in said city.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend Section 463 of the building code of the city of Manchester so as to allow the janitor of the St. Cecilia hall at

the corner of Beech street and Lake avenue, so called, in said Manchester, and his family, to occupy certain rooms located on the north end of said building for lodging purposes.

SECT. 2. The intent of this ordinance is to amend Section 463 of said code for the above-named purpose and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed May 29, 1911.

AN ORDINANCE in amendment of Section 290 (a) of the Building Code of the City of Manchester entitled "Fireproof Construction," relating to the R. G. Sullivan Cigar Factory.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 290 (a) of the building code of the city of Manchester entitled "Fireproof Construction" so as to allow Roger G. Sullivan to alter his cigar factory building situate at the corner of West Central and Canal streets, so called, in said Manchester, by adding two stories in height not exceeding seventeen (17) feet; the same to be of like material and construction as the present building, provided that said addition be made under the supervision of the superintendent of buildings of said Manchester and to the satisfaction of said superintendent and to be as follows: The walls of said building to be reinforced by using channel irons on each side of the beams bolted through the outside walls and said beams to be supported on ankle irons bolted to the steel channels; a stairway to be built on the northwest corner on the outside of the building; said stairway to be bricked in, with fireproof stairs and with an exit leading to the roof of the building; a fire escape to be erected on the north side of the building of like material as the one now on the south side of the building; the outlets to said fire escape to be through doors opening outward; the windows leading to the present fire escape on the south side of the building to be cut down and made into doors opening outward to said fire escape; the automatic sprinkler system now installed in said building to be extended throughout the proposed addition.

SECT. 2. The purpose of this ordinance is to amend the said building code for the purpose of allowing Roger G. Sullivan to make the alteration hereinbefore stated and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed September 5, 1911.

AN ORDINANCE in amendment of Section 407 of the Building Code of the City of Manchester, relating to Thickness of Walls.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

Amend section 407, "Thickness of Walls," of the building code of the city of Manchester, by adding at the end of said section the following words:

Ten (10) inch solid concrete blocks, made of slush concrete and approved by the superintendent of public buildings, may be used for the first story of residences not exceeding three and one half (3½) stories in height.

Seven (7) inch concrete blocks, of like manufacture and approval, may be used for the remainder of said residences, but hollow space shall not be included in the thickness thereof.

Passed September 18, 1911.

AN ORDINANCE in amendment of Section 15 of Chapter 11 of the Laws and Ordinances of the City of Manchester, relating to the Fire Department.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend Section 15 of Chapter 11 of the Laws and Ordinances of the City of Manchester by striking out the whole of said section and inserting in place the following:

"SECT. 15. Each permanent member of the fire department shall be allowed one whole day's leave of absence in each ten days, in addition to two weeks' vacation in each year without loss of pay, but the chief engineer shall determine what days the leave of absence shall be granted."

SECT. 2. This ordinance shall take effect October 1, 1911, and all ordinances or parts of ordinances inconsistent therewith are hereby repealed.

SECT. 3. That for the purpose of carrying out the intent of this ordinance there be added to the fire department of the city of Manchester four additional permanent men; the said addition to take effect on and after October 1, 1911.

Passed September 18, 1911.

AN ORDINANCE in amendment of Section 19 of Chapter 19 of the Laws and Ordinances of the City of Manchester, relating to Electric Signs.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend Section 19 of Chapter 19 of the Laws and Ordinances of the City of Manchester in the thirteenth line thereof after the word "sidewalk" by adding the following words, "except as hereinafter provided in cases of electric signs or advertisements"; in the twenty-third line thereof after the word "than" by striking out the words "forty-two" and inserting in place thereof the words "seventy-eight"; in the twenty-fourth line thereof after the word "framework" by striking out the words "the body of such sign or advertisement shall not be more than three feet in width" and inserting in place thereof the words, "such sign or advertisement shall not be more than six feet in width at the widest part"; in the forty-third line thereof after the word "its" by inserting the word "average," so that said section, as amended, shall read as follows:

SECT. 19. It shall be the duty of owners of trees on highways to trim all projecting limbs and branches of same to a height of at least eight feet above the sidewalk. No person shall place or establish any awning or shade before his place of business or dwelling-house, over any part of any street or sidewalk, unless the same shall be composed of cloth and safely fixed and supported by strong iron rods or railings, so as in no wise to incommode pedestrians, and so that the lowest part of such awnings or shades shall be at least eight feet in height above the sidewalks; nor shall any sign or other fixture or construction be placed on, over, or across any part of any street or sidewalk, except as hereinafter provided in cases of electric signs or advertisements. Nor shall any person encumber the street or sidewalk before his place of business, or elsewhere, with any boxes, shelves, stands, merchandise, or other things. No structure to be used as an electric sign or electric advertisement of any sort shall be built, placed, erected, or hung upon or from the roof or outer wall of any building without first obtaining a permit therefor from the superintendent of buildings of said Manchester. Nor shall any such sign or advertisement project more than seventy-eight inches beyond the street line, inclusive of framework. Such sign or advertisement shall not be more than six feet in width at the widest part; provided that the distance from the street line to the inner edge of such sign or advertisement (measuring from the side of such sign or advertisement nearest the building) shall not be greater than the distance between the inner and outer edges of such sign or advertisement, and that the said distance shall not exceed twelve inches from any

such sign or advertisement. No portion of any such sign or advertisement projecting beyond the street line shall be less than ten feet above the surface of the sidewalk. No portion of any such sign or advertisement projecting beyond the street line of any alleyway shall be less than nine feet above the surface of the sidewalk, and shall not project more than three feet beyond the street line of said alleyway. The height of any such sign or advertisement projecting from the walls of any building shall not be less than four times its average width. Both sides of such sign or advertisement shall be equally illuminated from dusk to eleven o'clock P. M. on Thursday and Saturday nights of every week and such other nights as a general opening of the stores exists, holidays excepted; provided that said restrictions as to such signs or advertisements shall not be construed to apply to temporary banners erected and maintained with the consent of the superintendent of buildings of said Manchester, and suspended across avenues or streets, and securely attached to buildings with the consent of the owners or lessees of such buildings; the lowest part of which shall not be less than twenty feet above the surface of such street or avenue.

Any such sign or advertisement now erected, on the top or on the outer wall of any building, or attached to a projection thereto, shall be removed when rotten or unsafe, or when ordered to be removed by the superintendent of buildings of said Manchester. No electric sign or advertisement shall be hereafter placed upon the roof of any building unless such sign or advertisement is constructed of incombustible materials. Persons applying for a permit to erect electric signs or advertisements shall state the size of the proposed sign or advertisement and the nature of the materials of which it is to be constructed, and when required by the superintendent of buildings of said Manchester, shall file in his office plans and specifications for such sign or advertisement, which shall also show the manner in which it is to be attached to the building on which it is to be erected, and all such signs or advertisements shall be erected under the supervision of the superintendent of buildings of said Manchester.

No alteration shall be made on any such sign or advertisement, erected or maintained under authority of this ordinance, unless all the provisions of this ordinance are fully complied with and a permit issued for such alteration.

For the purpose of this ordinance an electric sign or advertisement is hereby declared to be any sign or advertisement constructed as follows: Signs or advertisements, all or part of the letters of which are made in an outline of incandescent lamps; transparent glass signs or advertisements illuminated with electric lamps; signs or advertisements with flush painted or raised letters and having a border of incandescent lamps.

The number of incandescent lamps for each side of any electric

sign or advertisement, prescribed in this ordinance, shall not be less than one lamp to each one and one-quarter square foot of sign or advertisement surface.

No person shall hereafter install any electric sign or advertisement upon the outer walls or upon the roof of any building within the city of Manchester without first giving a bond in the sum of five thousand dollars ($5,000.00) with good and sufficient sureties; to be approved by the board of mayor and aldermen, conditioned that said party will indemnify and save harmless the city of Manchester from any and all charges, costs, expenses, judgments or damages caused by reason of any negligence upon the part of said person, or any servant or employee of such person, or by the use of any insufficient or insecure supports or attachments or improper or unsuitable or unskilled workmanship in the erection, construction, installation or placing of any electric sign or advertisement that may be erected or installed upon the walls or roof of any building by said person.

SECT. 2. This ordinance shall take effect upon its passage, and all ordinances or parts of ordinances inconsistent therewith are hereby repealed.

Passed October 13, 1911.

AN ORDINANCE creating Hook and Ladder Company No. 7, of the Manchester Fire Department.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That there be added to the fire department of the city of Manchester a company to consist of one permanent driver and eight call men; said company to be known as Hook and Ladder Company No. 7 and to be located at the Somerville-street engine house.

SECT. 2. This ordinance shall take effect October 15, 1911.

Passed October 13, 1911.

AN ORDINANCE in amendment of Section 15 of Chapter 6 of the Laws and Ordinances of the City of Manchester, relating to the Salary of the Deputy Collector of Taxes.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 15 of chapter 6 of the Laws and Ordinances of the City of Manchester in the twelfth line thereof after the word "of" by striking out the words "eight hundred" and inserting in place thereof the words "one thousand," so that said section, as amended, shall read as follows:

"SECT. 15. The collector of taxes of the city shall receive in full for his services for collecting all the taxes of each year, and for performing all the duties appertaining to his office, the sum of two thousand dollars, payable semi-monthly.

"His official year shall end on the first day of June, at which time he shall surrender to his successor in office all moneys, books, papers, including the list of uncollected taxes, and other property pertaining to his office.

"Each deputy collector of taxes shall receive in full for his services the sum of one thousand dollars, payable semi-monthly."

SECT. 2. This ordinance shall take effect upon its passage and all ordinances and parts of ordinances inconsistent therewith are hereby repealed.

Passed October 13, 1911.

AN ORDINANCE permitting the installation of Thirty-Two 550 Candle Power Arc Gas Lights on Hanover Street in Said Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the Laws and Ordinances of the City of Manchester be and are hereby amended for the purpose of allowing the installation by the People's Gas Light Company of thirty-two 550 candle power arc gas lights on Hanover street in said Manchester.

SECT. 2. That the said Laws and Ordinances are hereby amended with the understanding that the maintenance of said lights be borne by the People's Gas Light Company, and also that the traveled highway on which it is proposed to locate said lights be undisturbed, and that the necessary poles be located, as required by law.

SECT. 3. This ordinance shall take effect upon its passage.

Passed November 17, 1911.

AN ORDINANCE in amendment of Section 20 of Chapter 19 of the Laws and Ordinances of the City of Manchester, relating to the Erection and Maintenance by The Barton Company of an Overhead Bridge across Nutfield Lane in said Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. Amend section 20 of chapter 19 of the Laws and Ordinances of the City of Manchester so as to allow The Barton

Company to erect and maintain an overhead bridge across Nutfield lane, so called, in said Manchester, from its present store in Merchants Exchange, so called, on Elm street, to the Clough block, so called, on Manchester street in said city; said bridge to be built of fireproof material under the supervision of the superintendent of buildings of said Manchester and to the satisfaction of said superintendent and to be as follows:

Said bridge to be constructed at a point about fifty feet north of Manchester street, to be ten feet wide inside, to be thirteen feet and six inches above the grade of the said Nutfield lane, and to make connections between the said Barton store and the said Clough block on the second, third and fourth floors, with automatic fire doors on each floor.

The said Barton Company to hold and save the city of Manchester harmless from any claim from loss, cost or damage to any person or property occasioned by the construction and maintenance of said bridge.

SECT. 2. The intent of this ordinance is to amend the Laws and Ordinances of the City of Manchester for the hereinbefore mentioned purpose and for no other purpose whatsoever.

SECT. 3. This ordinance shall take effect upon its passage.

Passed December 5, 1911.

AN ORDINANCE changing the names of certain Streets in the City of Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the name of Amory-street extension, from Bartlett street to Amory street, be and is hereby changed to Bartlett street.

SECT. 2. This ordinance shall take effect upon its passage.

Passed December 11, 1911.

AN ORDINANCE changing the names of certain Streets in the City of Manchester.

Be it ordained by the Board of Mayor and Aldermen of the City of Manchester, as follows:

SECTION 1. That the name of Maple East Back street from Concord street to Lowell street be and is hereby changed to Haines lane.

SECT. 2. This ordinance shall take effect upon its passage.

Passed December 11, 1911.

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